

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055888.D
 Acq On : 30 May 2019 9:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM

Quant Time: May 30 17:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	333866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	491086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169690	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	150899	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	575202	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	200590	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101993	45.392	ug/l	98
3) Chloromethane	2.06	50	141787	45.038	ug/l	98
4) Vinyl Chloride	2.18	62	153693	45.771	ug/l	100
5) Bromomethane	2.53	94	111687m	53.166	ug/l	
6) Chloroethane	2.69	64	97065	48.013	ug/l	98
7) Trichlorofluoromethane	3.01	101	213558	48.511	ug/l	99
8) Diethyl Ether	3.40	74	94256	47.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138785	50.504	ug/l	98
10) Methyl Iodide	3.94	142	196934	49.017	ug/l	100
11) Tert butyl alcohol	4.81	59	160037	242.930	ug/l	99
12) 1,1-Dichloroethene	3.72	96	134325	47.307	ug/l	98
13) Acrolein	3.60	56	95315	202.061	ug/l	98
14) Allyl chloride	4.31	41	233045	47.876	ug/l	99
15) Acrylonitrile	4.99	53	371640	245.675	ug/l	100
16) Acetone	3.82	43	399057	263.296	ug/l	98
17) Carbon Disulfide	4.04	76	329733	40.873	ug/l	99
18) Methyl Acetate	4.33	43	159301	51.745	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	462556	48.845	ug/l	99
20) Methylene Chloride	4.54	84	156155	47.574	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144222	47.278	ug/l	98
22) Diisopropyl ether	5.95	45	475598	50.235	ug/l	99
23) Vinyl Acetate	5.89	43	1995114	245.789	ug/l	99
24) 1,1-Dichloroethane	5.84	63	268839	48.772	ug/l	100
25) 2-Butanone	6.84	43	532444	251.546	ug/l	100
26) 2,2-Dichloropropane	6.82	77	229396	48.086	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	174353	48.990	ug/l	98
28) Bromochloromethane	7.19	49	131745	50.199	ug/l	98
29) Tetrahydrofuran	7.21	42	327503	244.325	ug/l	99
30) Chloroform	7.37	83	273103	49.680	ug/l	99
31) Cyclohexane	7.65	56	246827	47.694	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	234264	47.755	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202772	47.381	ug/l	99
37) Ethyl Acetate	6.93	43	202191	48.883	ug/l	98
38) Carbon Tetrachloride	7.77	117	199399	44.730	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055888.D
 Acq On : 30 May 2019 9:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM

Quant Time: May 30 17:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259299	48.929	ug/l	99
40) Benzene	8.04	78	630941	48.918	ug/l	99
41) Methacrylonitrile	7.17	41	93280	44.639	ug/l	94
42) 1,2-Dichloroethane	8.12	62	204811	48.596	ug/l	100
43) Isopropyl Acetate	8.17	43	332105	47.787	ug/l #	91
44) Trichloroethene	8.83	130	175233	48.734	ug/l	97
45) 1,2-Dichloropropane	9.12	63	168305	50.084	ug/l	100
46) Dibromomethane	9.21	93	107841	48.933	ug/l	97
47) Bromodichloromethane	9.40	83	216910	48.000	ug/l	97
48) Methyl methacrylate	9.20	41	161540	50.435	ug/l	98
49) 1,4-Dioxane	9.20	88	63965	961.026	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1013184	246.850	ug/l	100
52) Toluene	10.15	92	403136	49.697	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233446	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	260530	48.754	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	161287	49.631	ug/l	98
56) Ethyl methacrylate	10.43	69	249744	49.727	ug/l	99
57) 1,3-Dichloropropane	10.71	76	263656	49.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	433955	226.097	ug/l	99
59) 2-Hexanone	10.75	43	717070	246.269	ug/l	100
60) Dibromochloromethane	10.90	129	176614	46.653	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164610	48.835	ug/l	98
64) Tetrachloroethene	10.63	164	172907	47.116	ug/l	99
65) Chlorobenzene	11.43	112	430630	49.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161568	46.507	ug/l	100
67) Ethyl Benzene	11.51	91	774392	49.576	ug/l	99
68) m/p-Xylenes	11.62	106	587427	99.475	ug/l	100
69) o-Xylene	11.95	106	286322	48.870	ug/l	99
70) Styrene	11.96	104	482902	50.897	ug/l	99
71) Bromoform	12.13	173	127570	43.051	ug/l #	99
73) Isopropylbenzene	12.25	105	765912	54.956	ug/l	99
74) N-amyl acetate	12.07	43	272957	51.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219497	53.128	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	174758m	51.656	ug/l	
77) Bromobenzene	12.53	156	197122	46.922	ug/l	99
78) n-propylbenzene	12.59	91	835142	48.808	ug/l	100
79) 2-Chlorotoluene	12.67	91	501691	54.671	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	630384	53.665	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63794	43.599	ug/l	96
82) 4-Chlorotoluene	12.77	91	491884	48.904	ug/l	99
83) tert-Butylbenzene	12.99	119	556905	54.956	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	625730	53.326	ug/l	100
85) sec-Butylbenzene	13.17	105	730723	55.391	ug/l	99
86) p-Isopropyltoluene	13.29	119	665575	48.682	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323554	48.639	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	311630	49.274	ug/l	99
89) n-Butylbenzene	13.61	91	534410	51.015	ug/l	99
90) Hexachloroethane	13.87	117	113841	43.746	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	318433	47.980	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36771	42.153	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
Data File : VN055888.D
Acq On : 30 May 2019 9:54
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM

Quant Time: May 30 17:36:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166826	44.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	114864	49.147	ug/l	98
95) Naphthalene	15.13	128	454051	49.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	175772	50.102	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

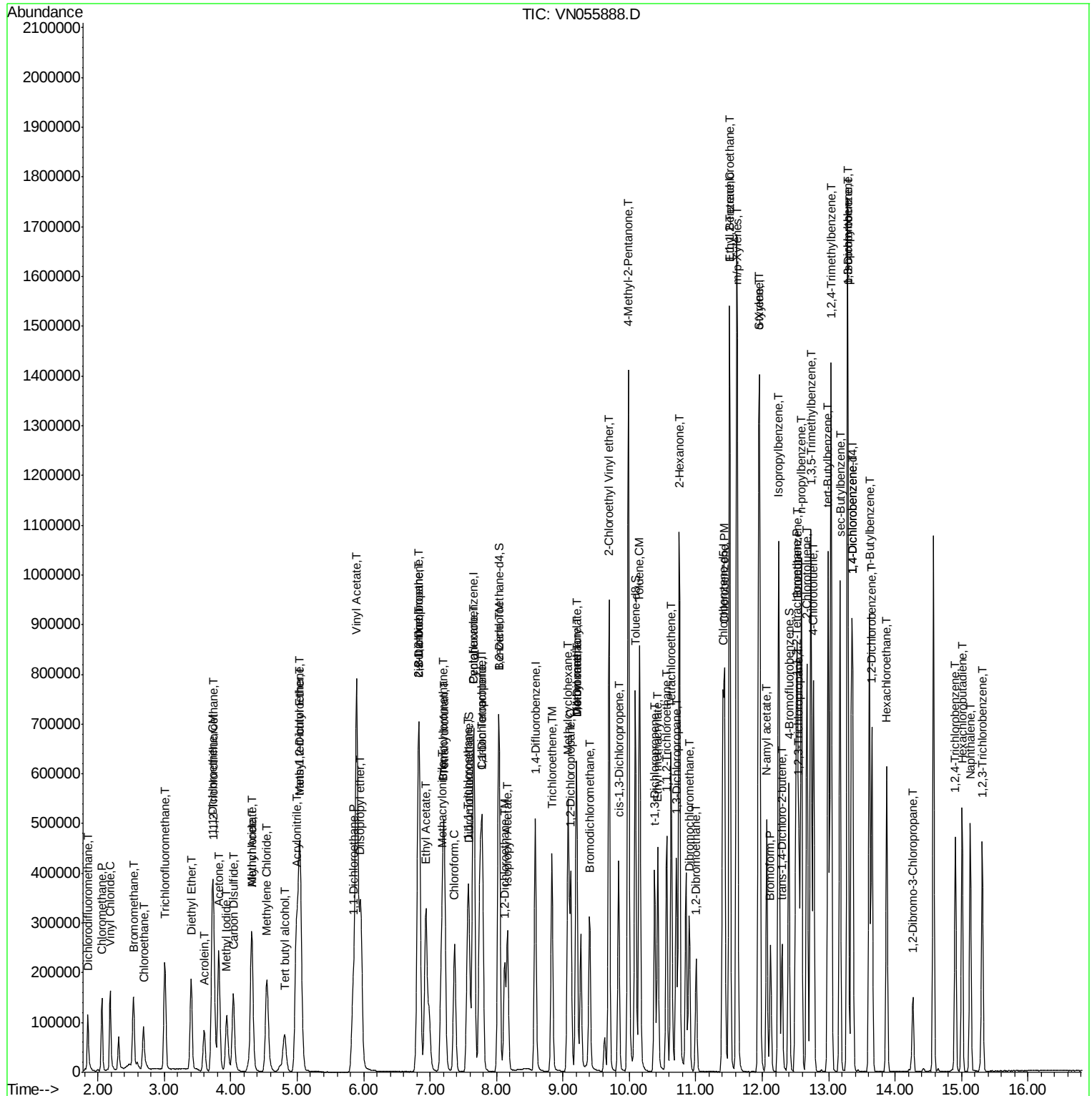
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055888.D
 Acq On : 30 May 2019 9:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

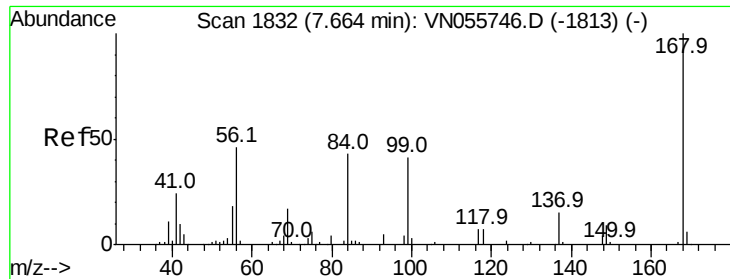
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM

Quant Time: May 30 17:36:45 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 333866

Ion Ratio Lower Upper

168 100

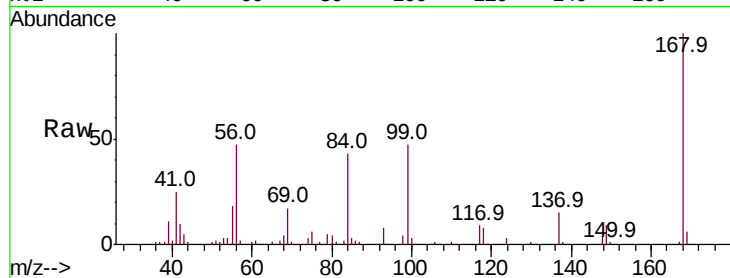
99 46.3 37.2 55.8

Manual Integrations

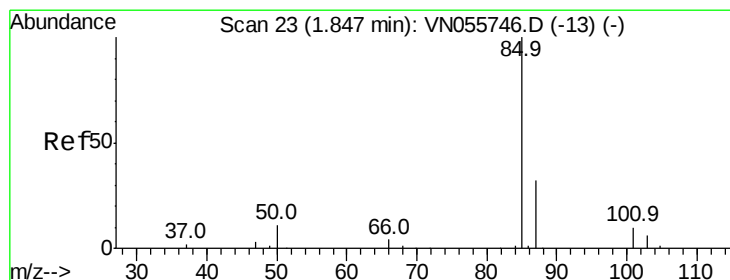
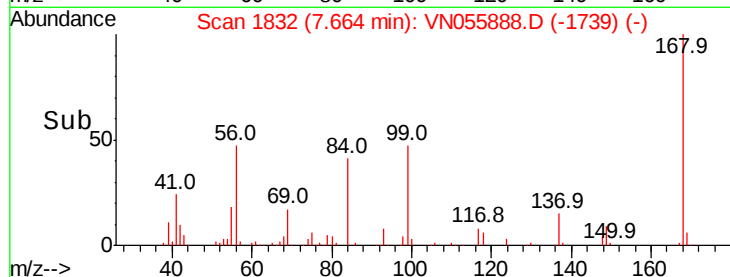
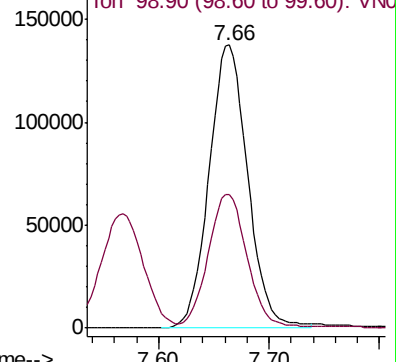
APPROVED

MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 45.392 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055888.D

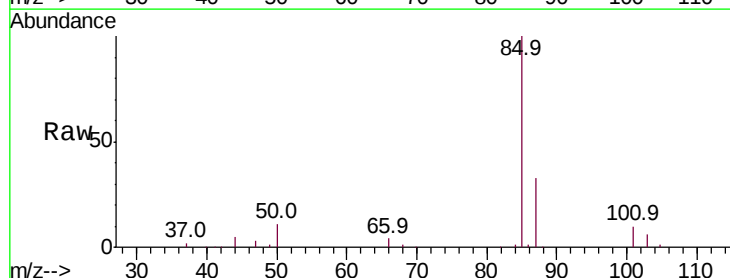
Acq: 30 May 2019 9:54

Tgt Ion: 85 Resp: 101993

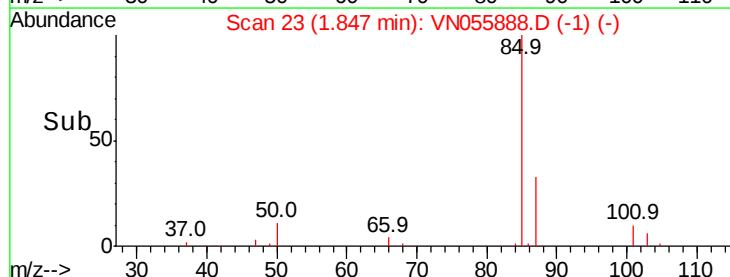
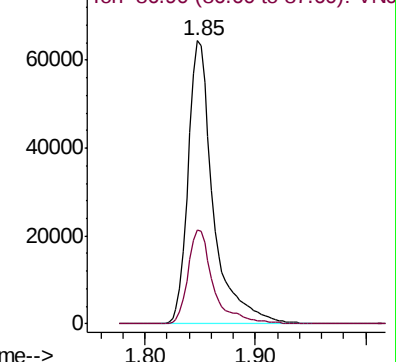
Ion Ratio Lower Upper

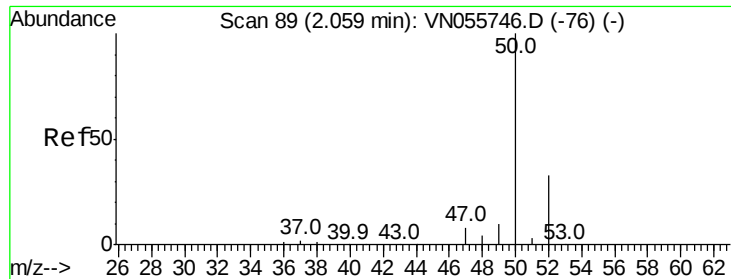
85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)





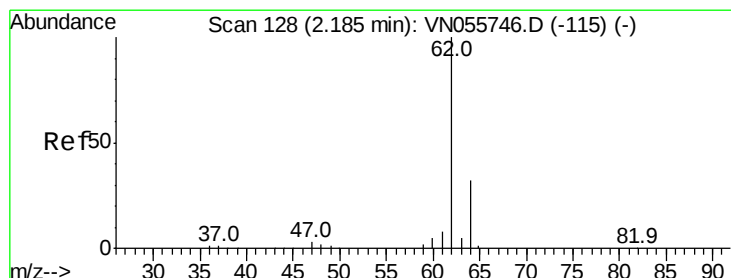
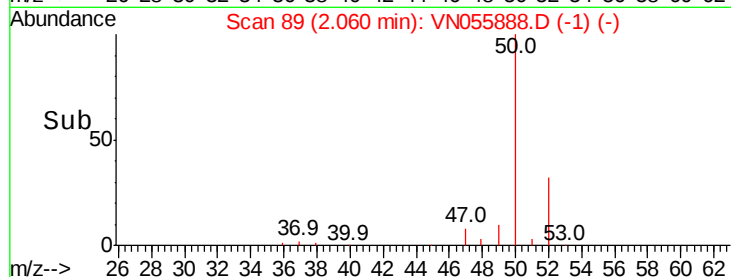
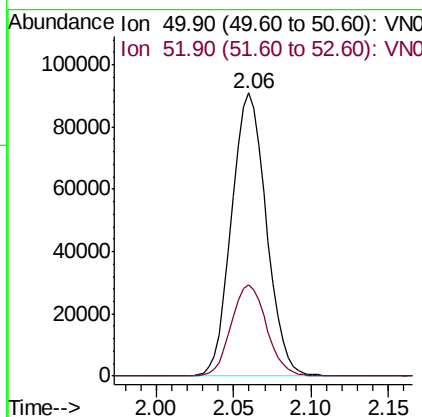
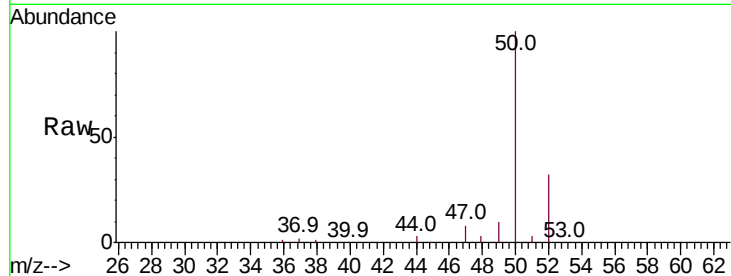
#3
Chloromethane
Concen: 45.038 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.6	40.0

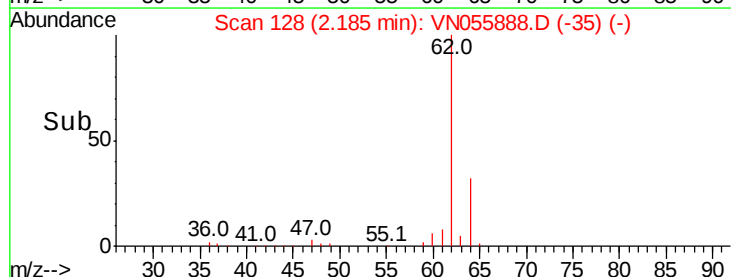
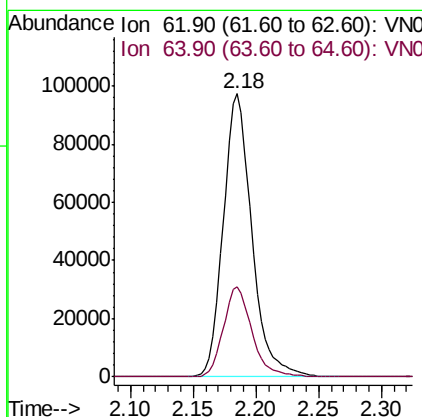
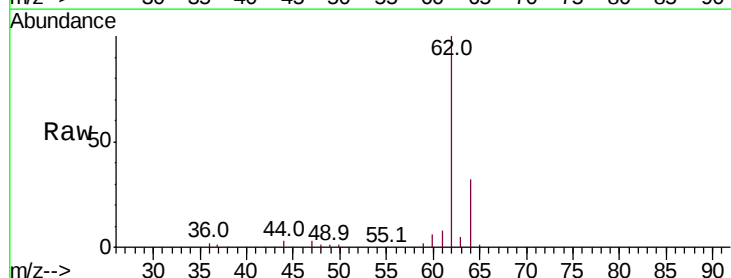
Manual Integrations
APPROVED

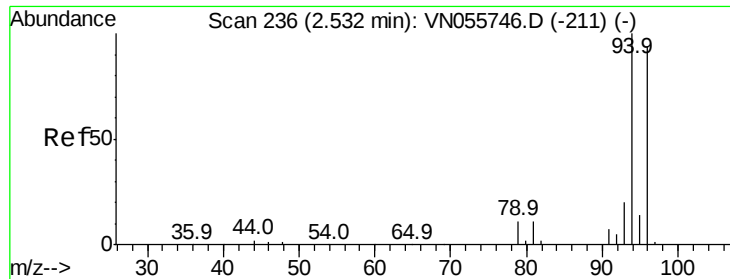
MMDadoda
5/31/2019 9:38:09 AM



#4
Vinyl Chloride
Concen: 45.771 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.6	38.4





#5

Bromomethane

Concen: 53.166 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 111687

Ion Ratio Lower Upper

94 100

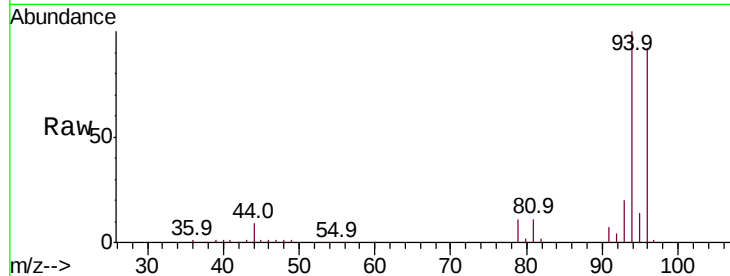
96 92.1 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

60000

50000

40000

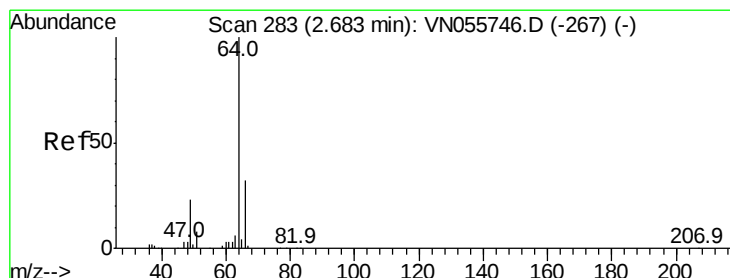
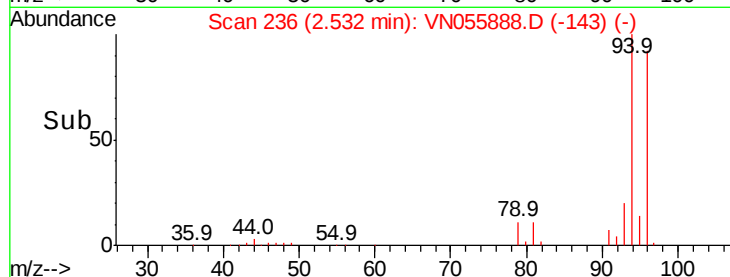
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.013 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055888.D

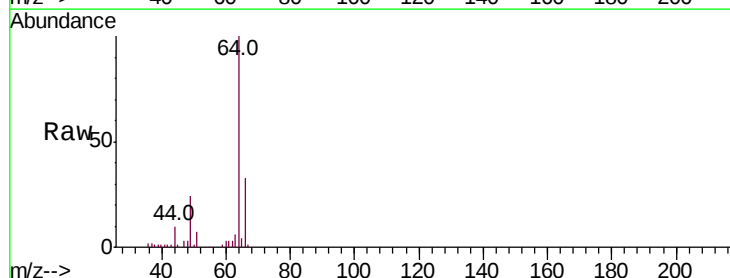
Acq: 30 May 2019 9:54

Tgt Ion: 64 Resp: 97065

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

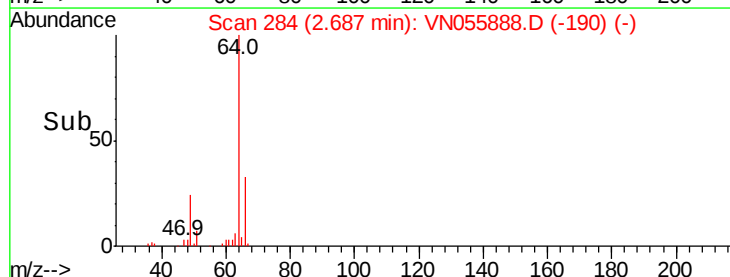
30000

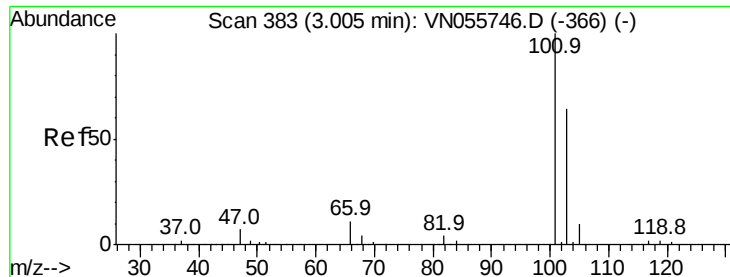
20000

10000

0

Time-->





#7

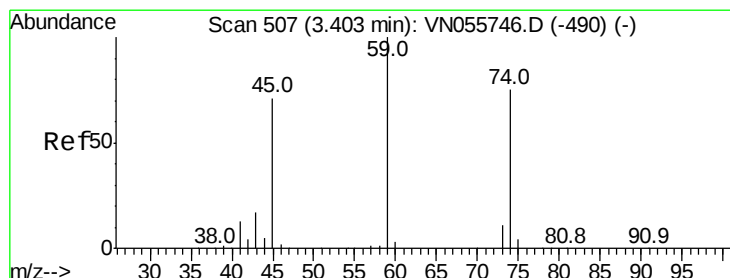
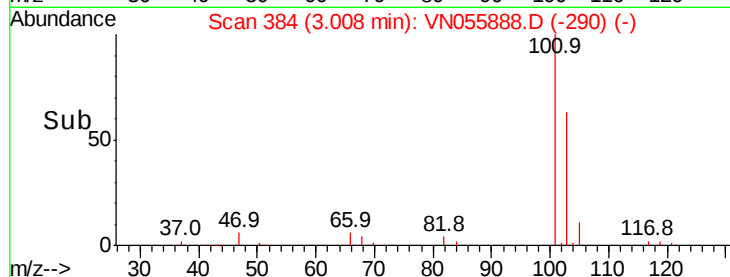
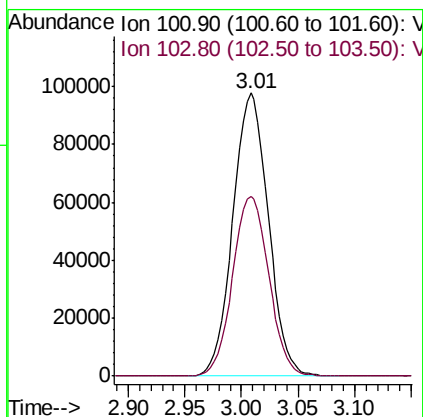
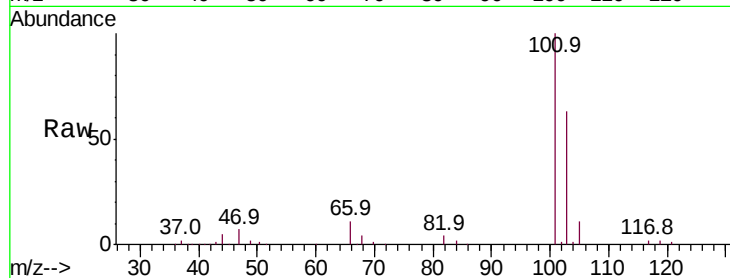
Trichlorofluoromethane
Concen: 48.511 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.2	76.8

Manual Integrations
APPROVED

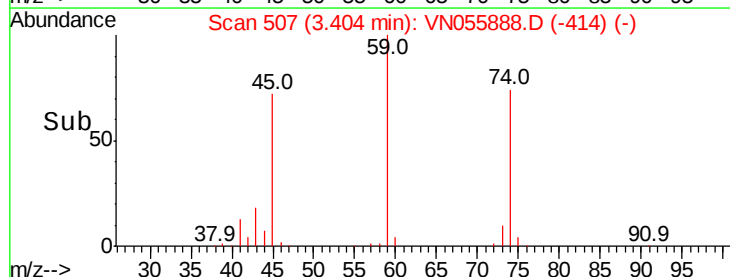
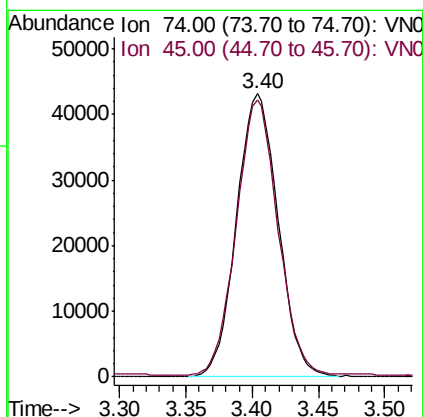
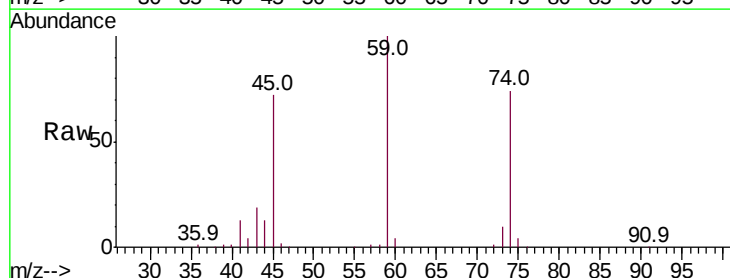
MMDadoda
5/31/2019 9:38:09 AM

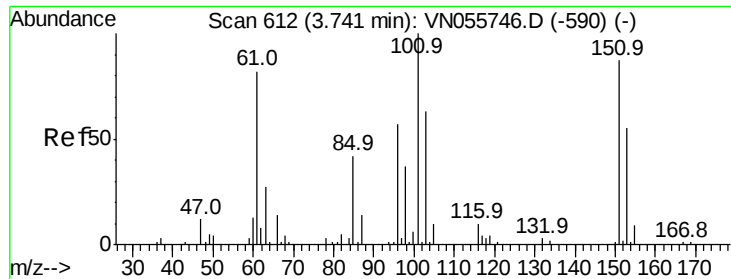


#8

Diethyl Ether
Concen: 47.771 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.504 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

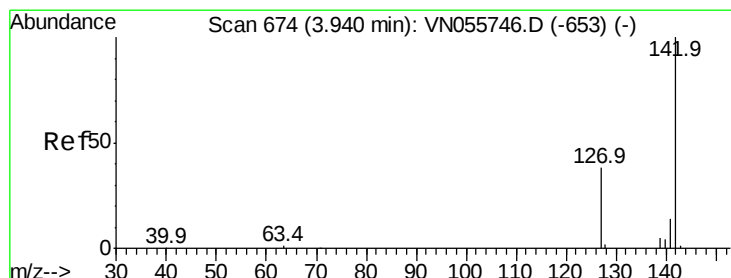
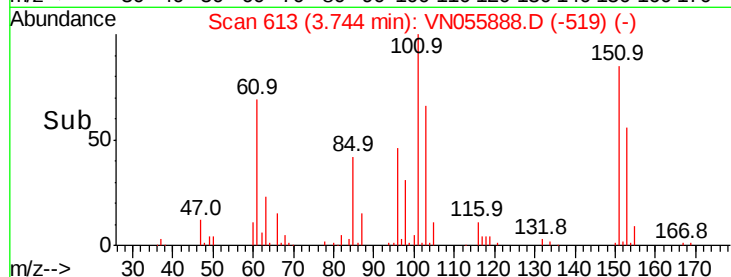
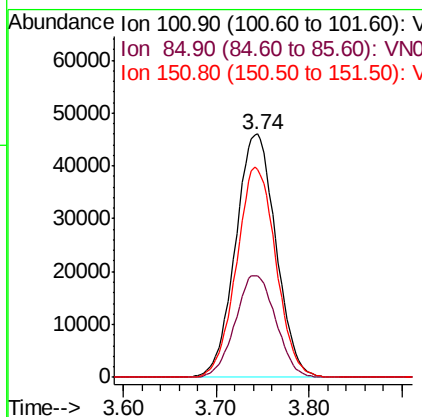
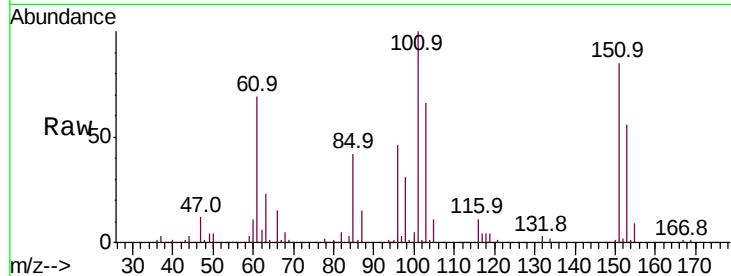
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	138785
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.2
151	84.5	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#10

Methyl Iodide

Concen: 49.017 ug/l

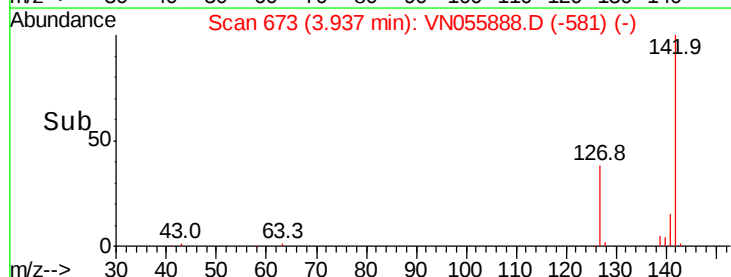
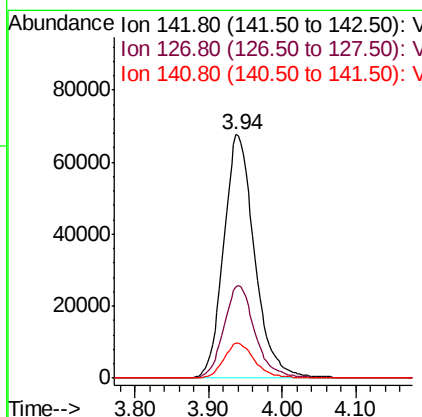
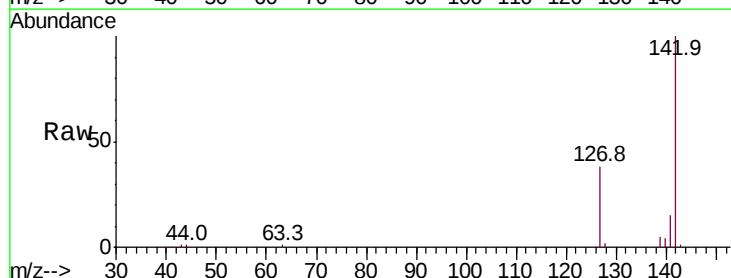
RT: 3.94 min Scan# 673

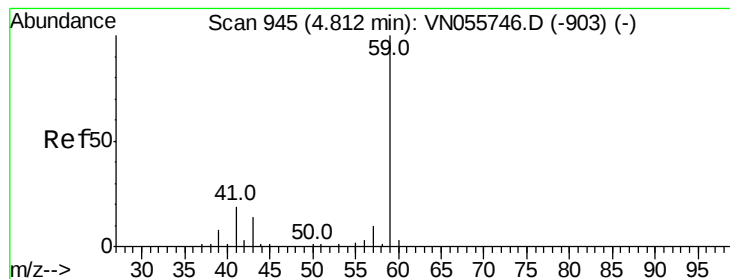
Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	142	Resp:	196934
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.2	11.4	17.0





#11

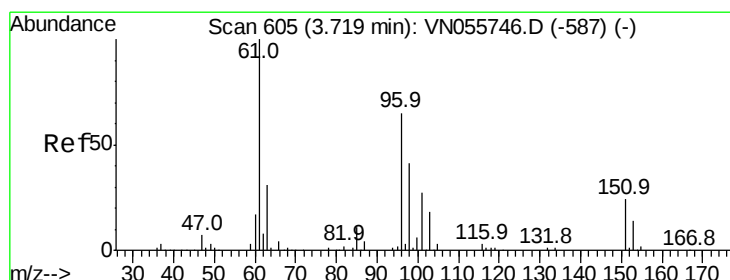
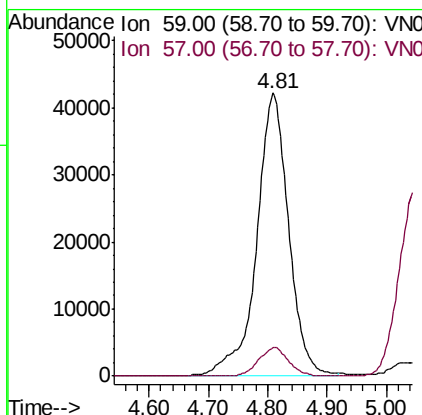
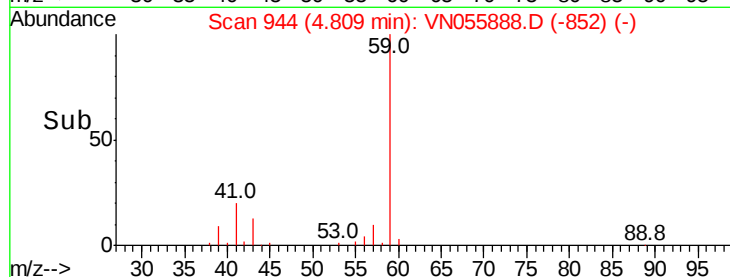
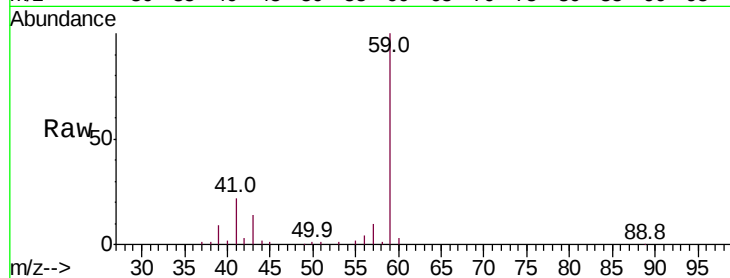
Tert butyl alcohol
Concen: 242.930 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.6

Manual Integrations
APPROVED

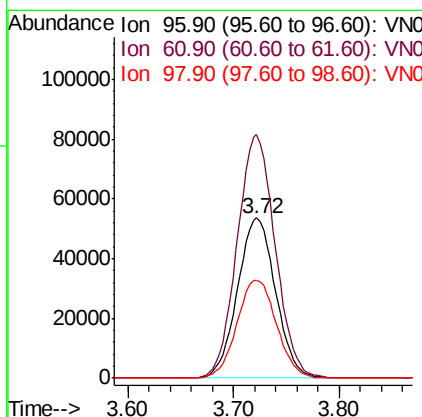
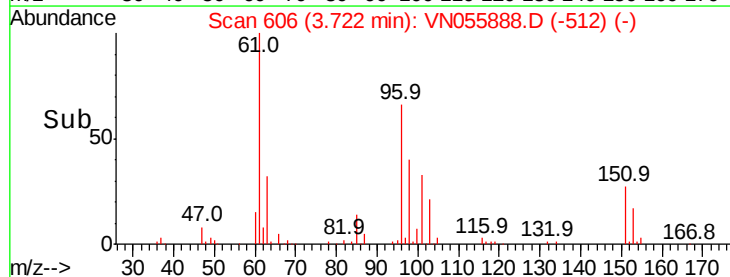
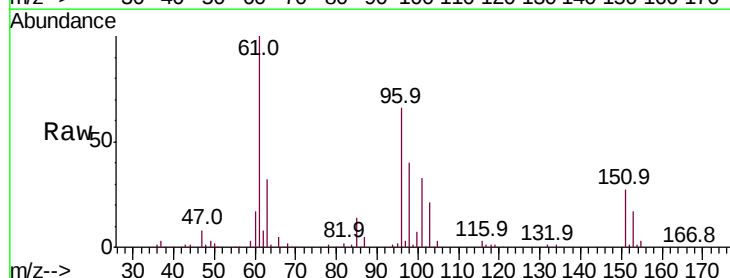
MMDadoda
5/31/2019 9:38:09 AM

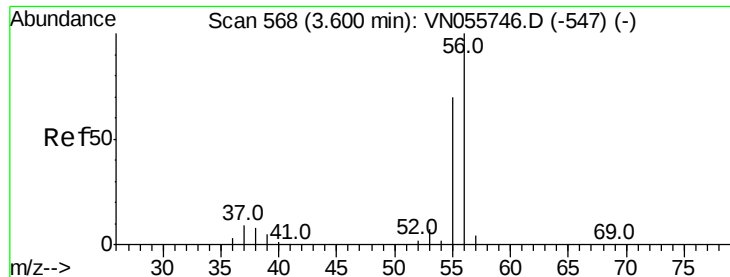


#12

1,1-Dichloroethene
Concen: 47.307 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.9	123.2	184.8
98	61.0	50.4	75.6





#13

Acrolein

Concen: 202.061 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 95315

Ion Ratio Lower Upper

56 100

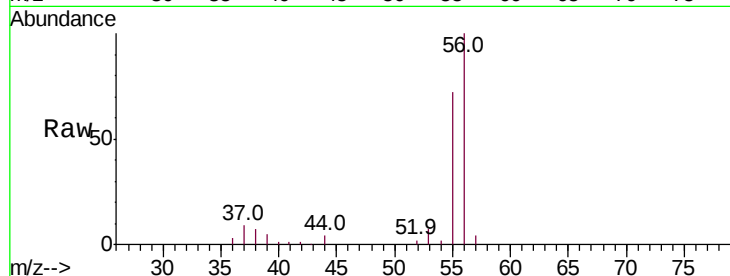
55 70.8 55.4 83.2

Manual Integrations

APPROVED

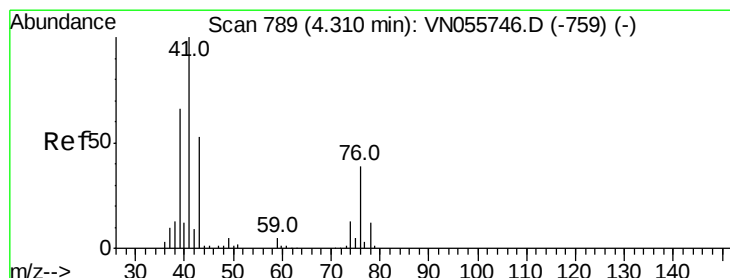
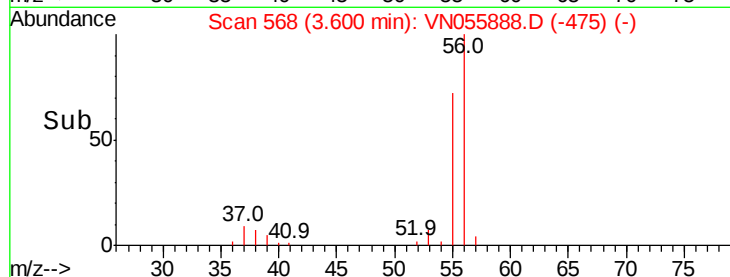
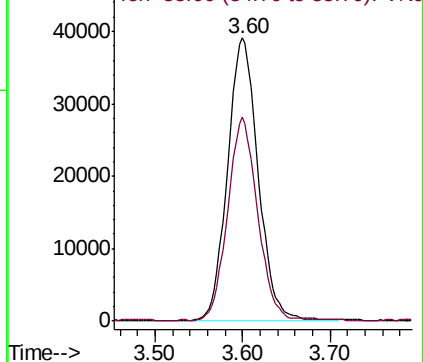
MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.876 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

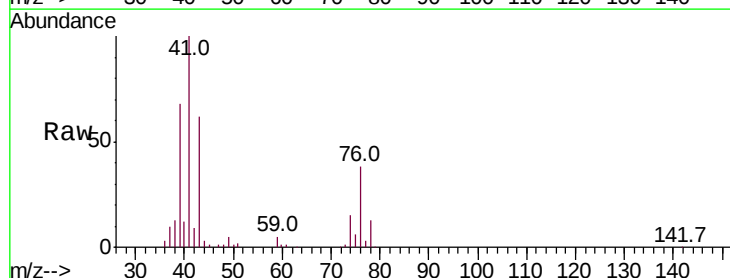
Tgt Ion: 41 Resp: 233045

Ion Ratio Lower Upper

41 100

39 63.1 50.0 75.0

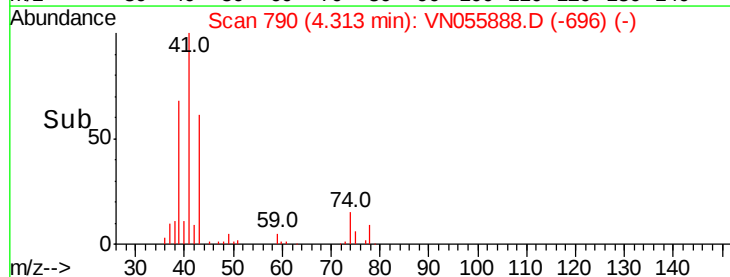
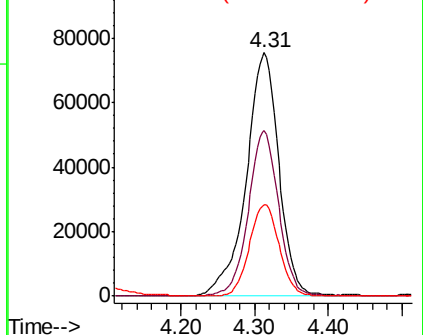
76 34.3 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 245.675 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

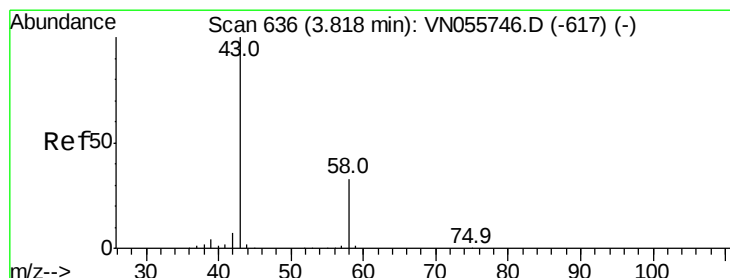
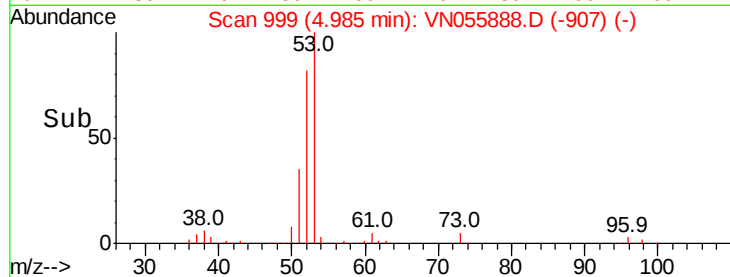
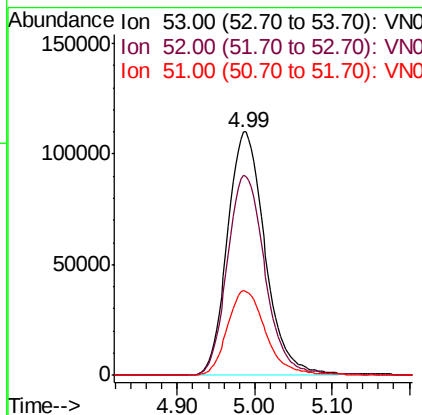
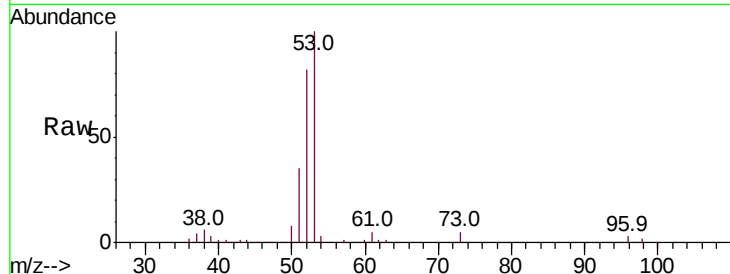
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	371640
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#16

Acetone

Concen: 263.296 ug/l

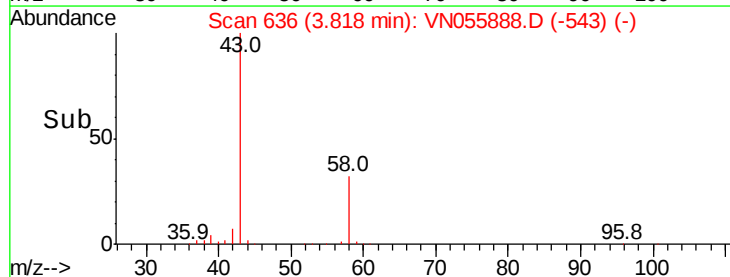
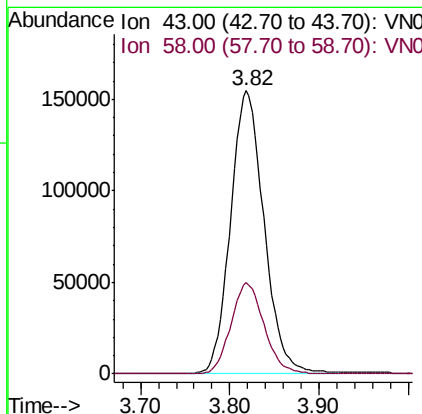
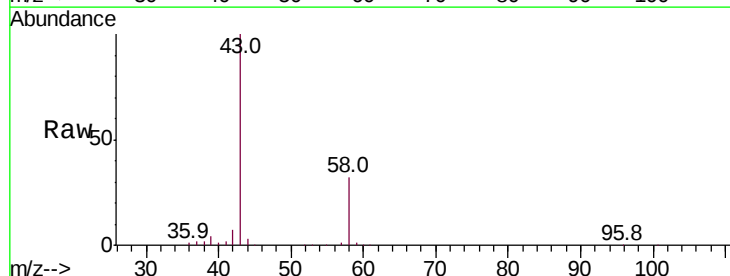
RT: 3.82 min Scan# 636

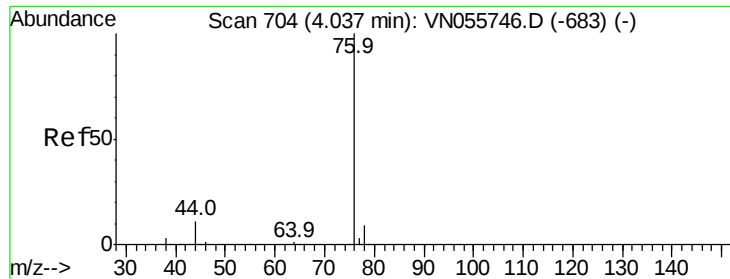
Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	43	Resp:	399057
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.6	39.8





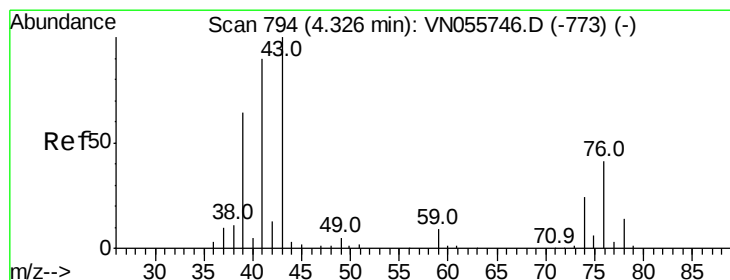
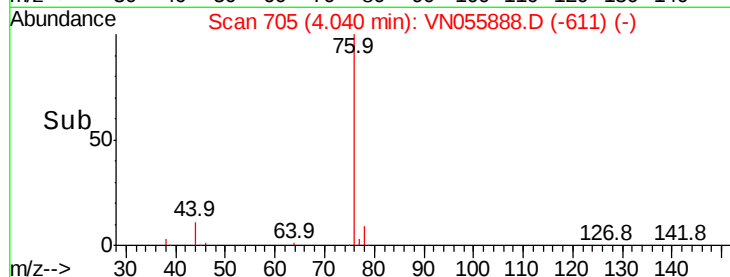
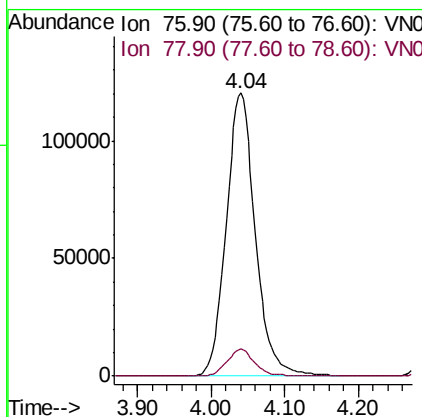
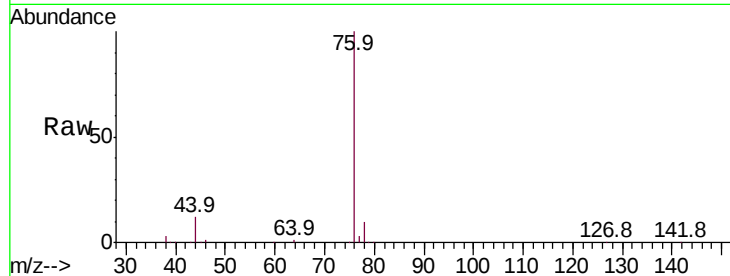
#17
Carbon Disulfide
Concen: 40.873 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

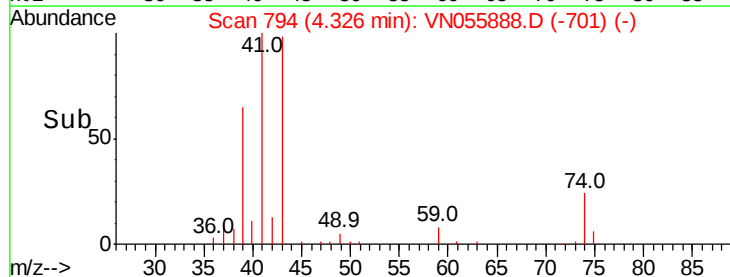
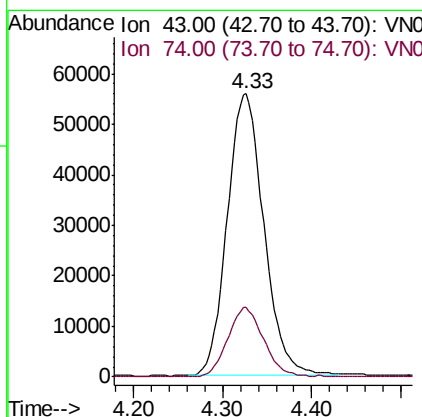
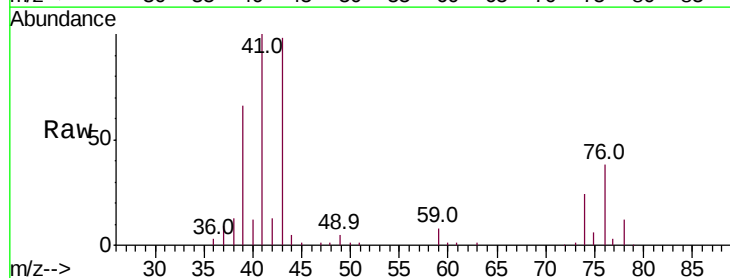
Manual Integrations
APPROVED

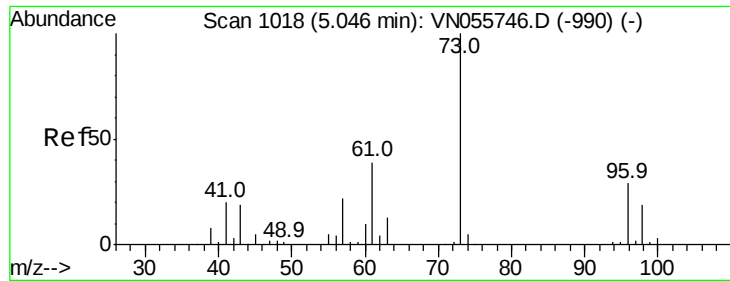
MMDadoda
5/31/2019 9:38:09 AM



#18
Methyl Acetate
Concen: 51.745 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





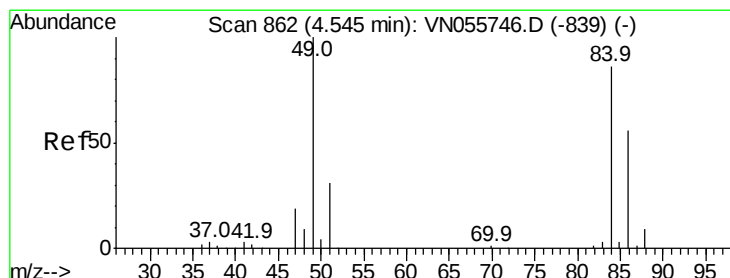
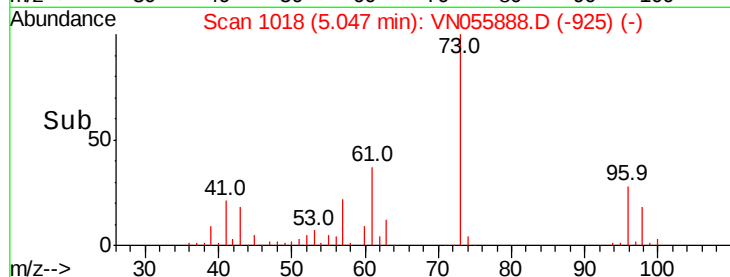
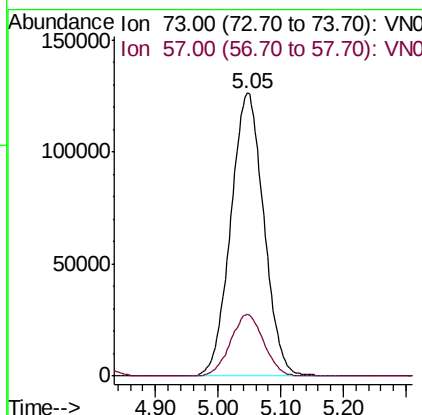
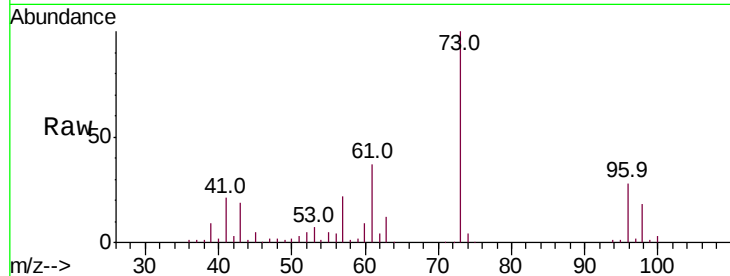
#19
Methyl tert-butyl Ether
Concen: 48.845 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 462556
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

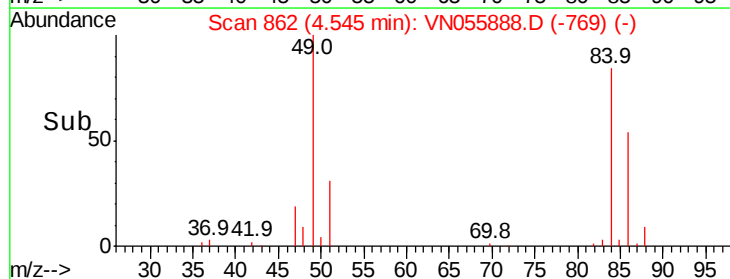
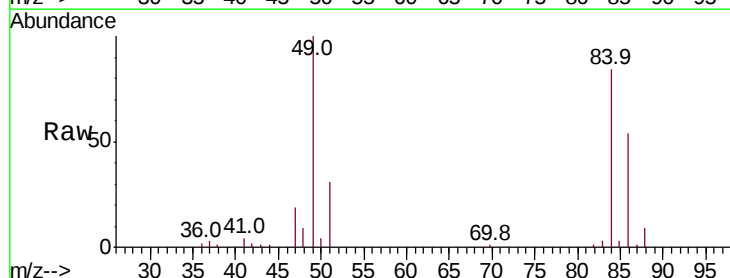
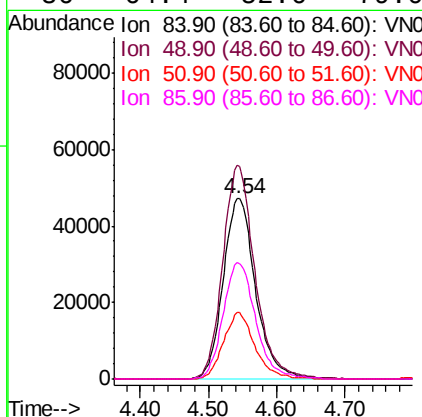
Manual Integrations
APPROVED

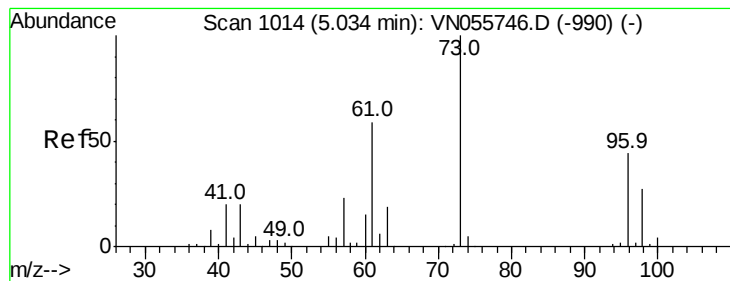
MMDadoda
5/31/2019 9:38:09 AM



#20
Methylene Chloride
Concen: 47.574 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 84 Resp: 156155
Ion Ratio Lower Upper
84 100
49 118.4 93.5 140.3
51 37.2 28.6 43.0
86 64.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.278 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 144222

Ion Ratio Lower Upper

96 100

61 132.9 107.8 161.8

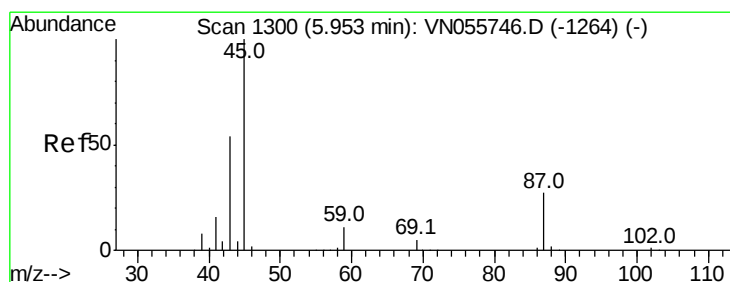
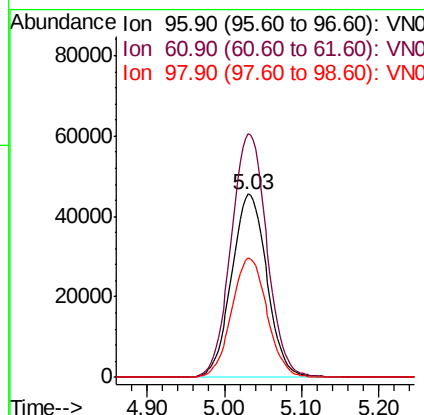
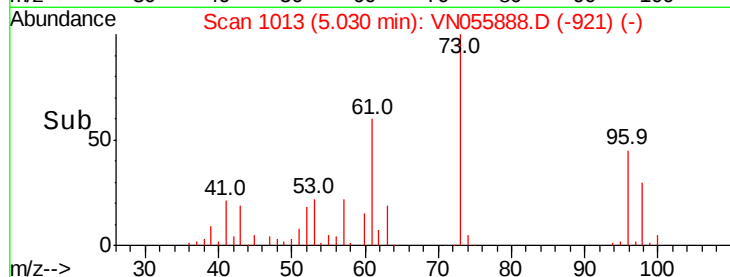
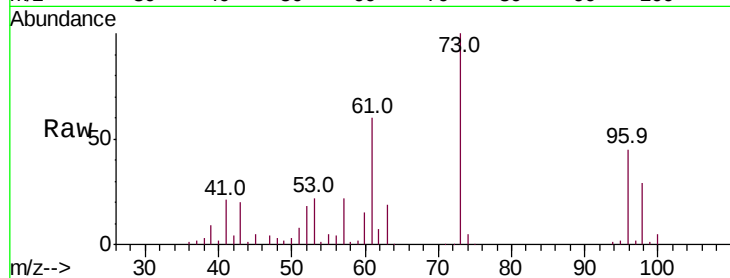
98 64.9 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:38:09 AM



#22

Diisopropyl ether

Concen: 50.235 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion: 45 Resp: 475598

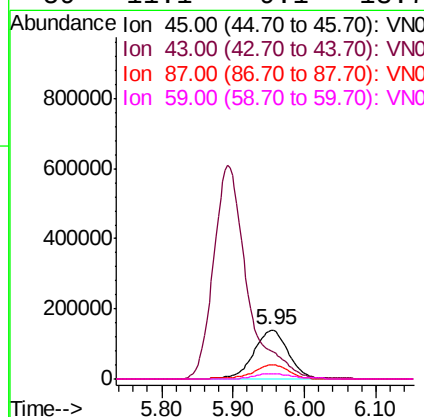
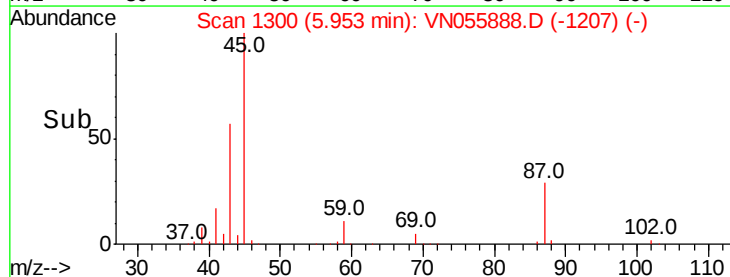
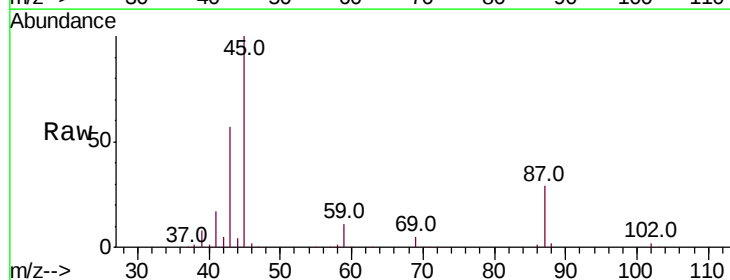
Ion Ratio Lower Upper

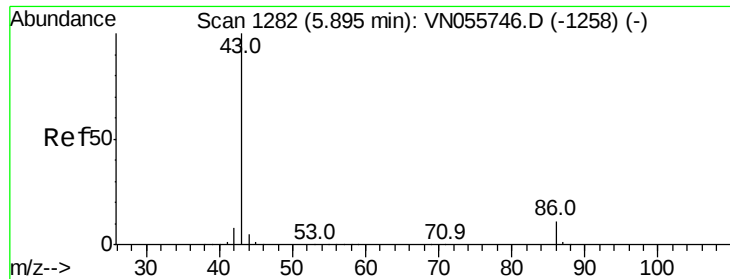
45 100

43 55.6 45.0 67.6

87 28.6 22.2 33.4

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 245.789 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

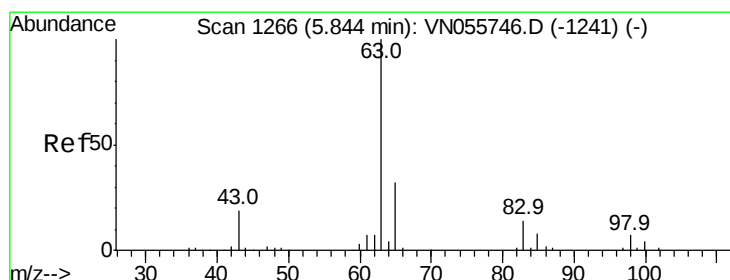
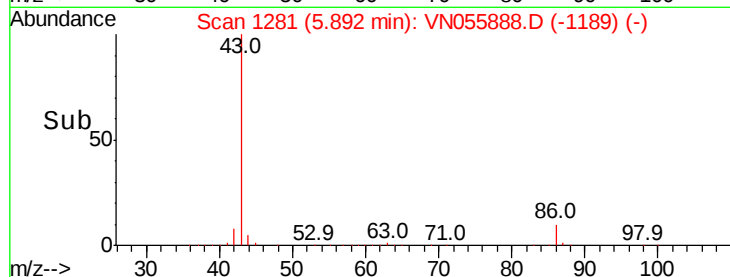
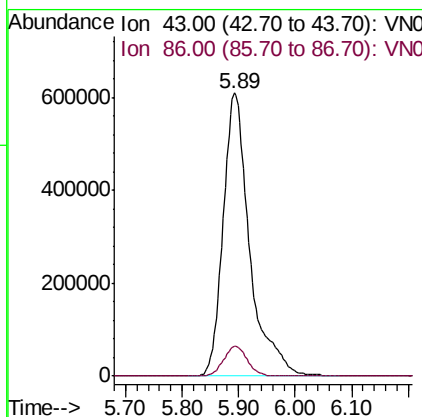
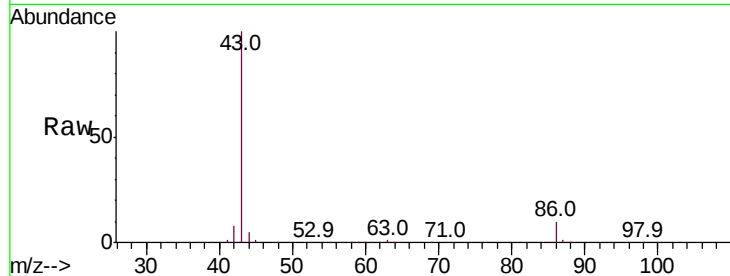
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1995114

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#24

1,1-Dichloroethane

Concen: 48.772 ug/l

RT: 5.84 min Scan# 1266

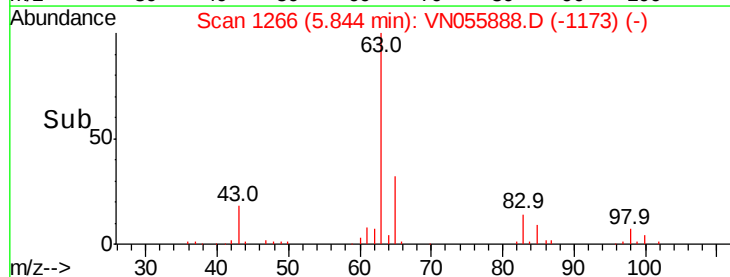
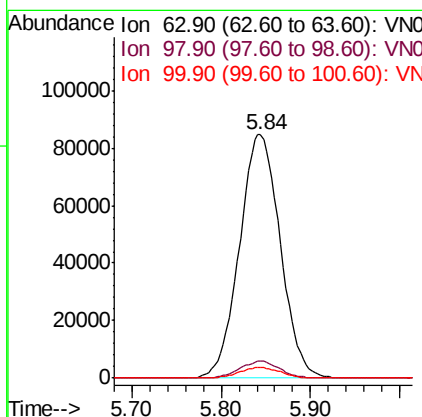
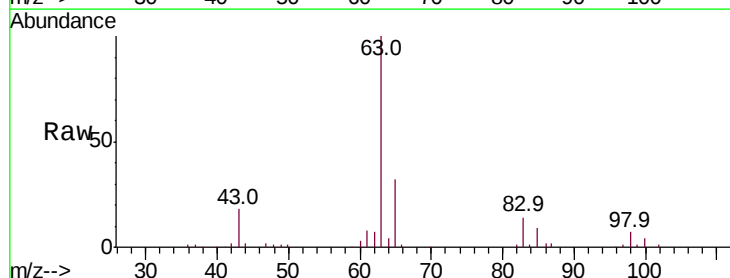
Delta R.T. 0.00 min

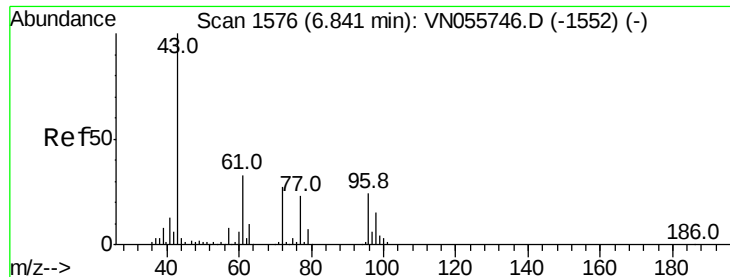
Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion: 63 Resp: 268839

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.4	2.2	6.6





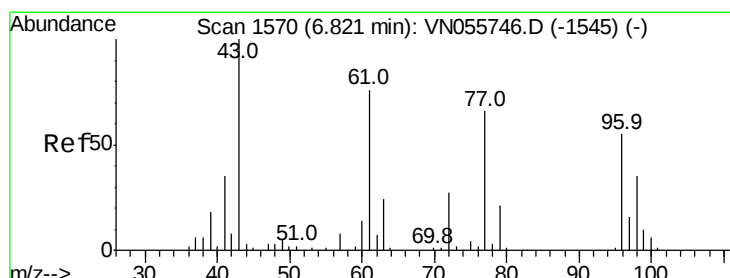
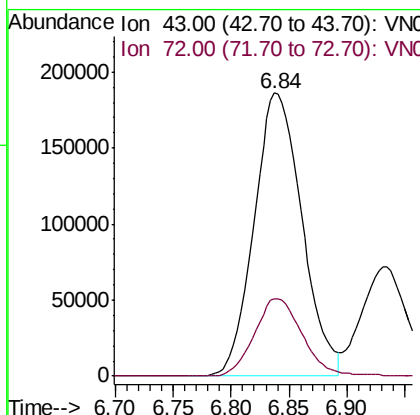
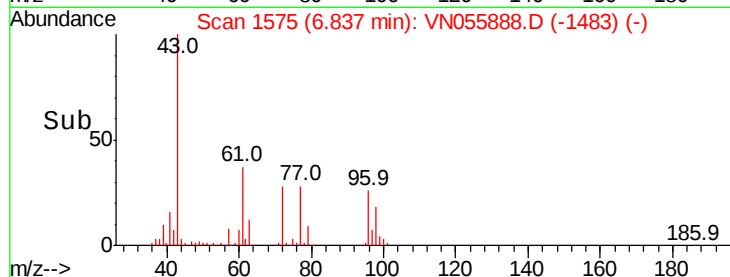
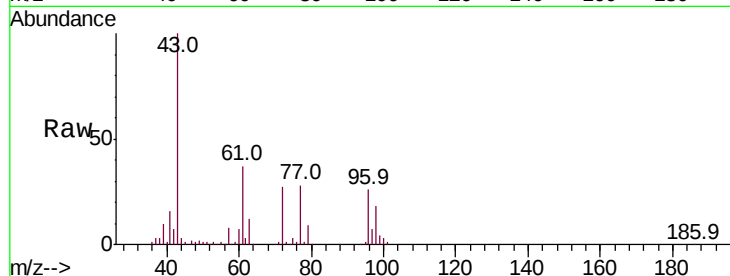
#25
2-Butanone
Concen: 251.546 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 532444
Ion Ratio Lower Upper
43 100
72 27.5 21.9 32.9

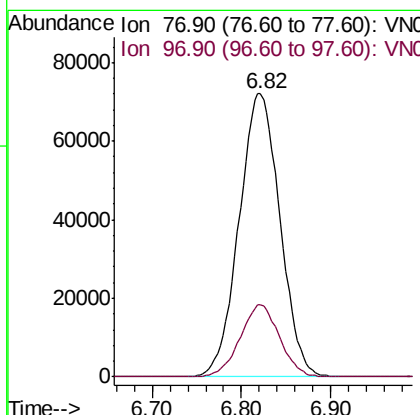
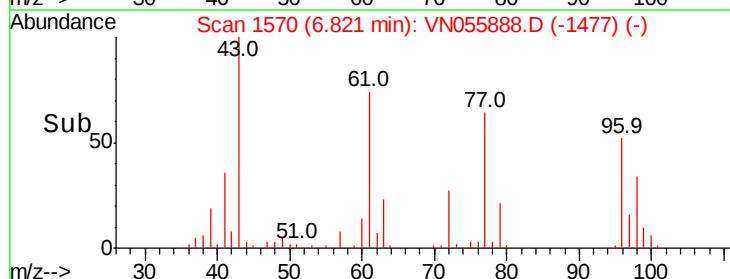
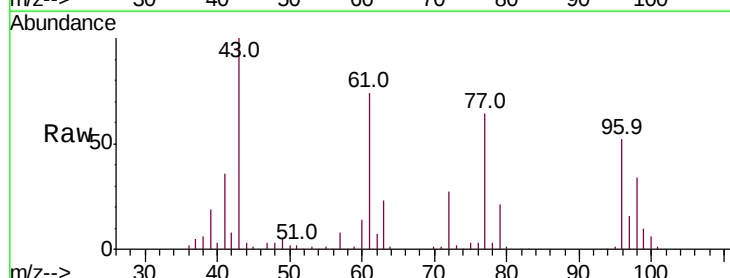
Manual Integrations
APPROVED

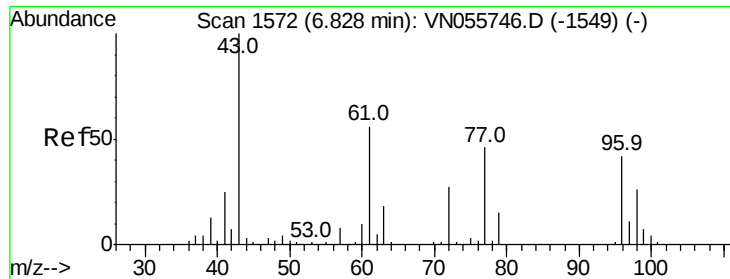
MMDadoda
5/31/2019 9:38:09 AM



#26
2,2-Dichloropropane
Concen: 48.086 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 77 Resp: 229396
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

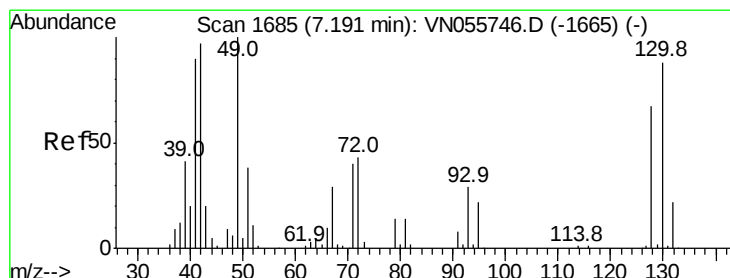
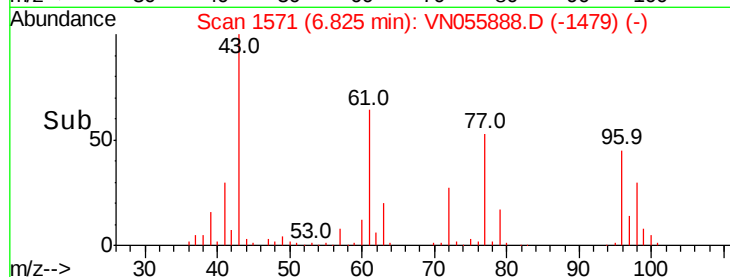
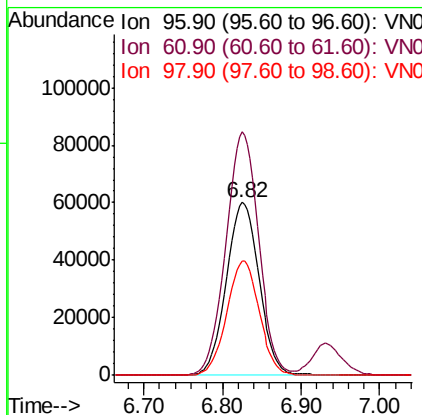
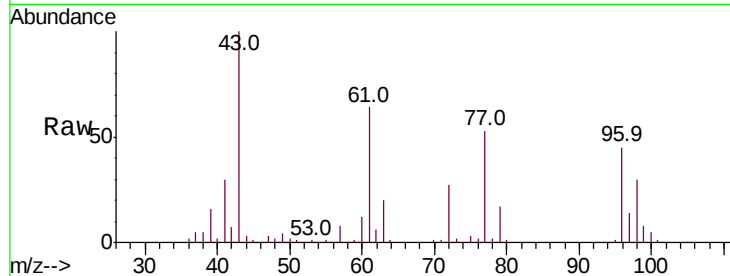
cis-1,2-Dichloroethene
Concen: 48.990 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174353		
61	140.6	0.0	275.8	
98	65.5	0.0	128.4	

Manual Integrations
APPROVED

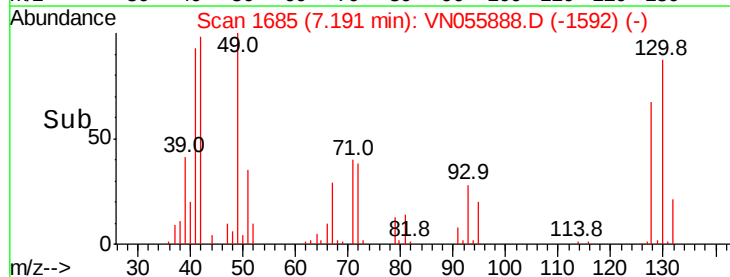
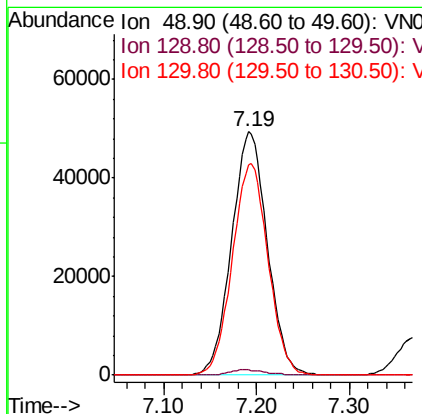
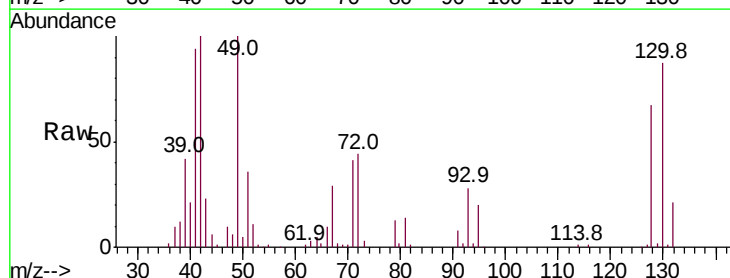
MMDadoda
5/31/2019 9:38:09 AM

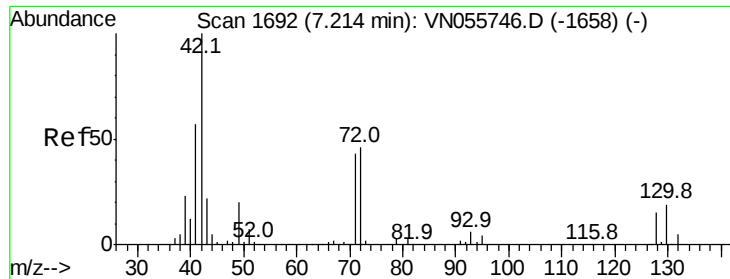


#28

Bromochloromethane
Concen: 50.199 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131745		
129	2.2	0.0	4.4	
130	86.9	71.2	106.8	





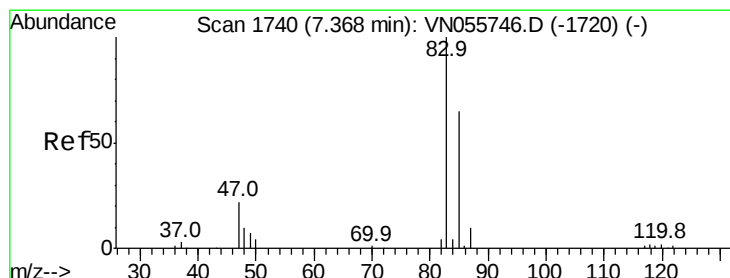
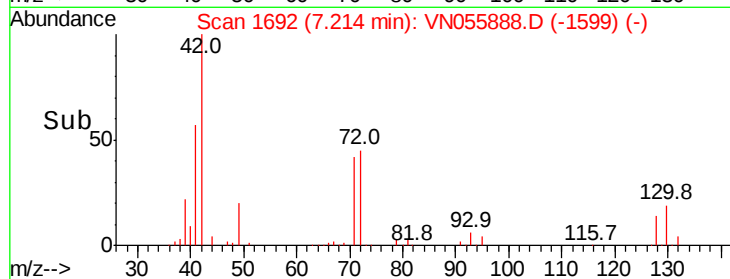
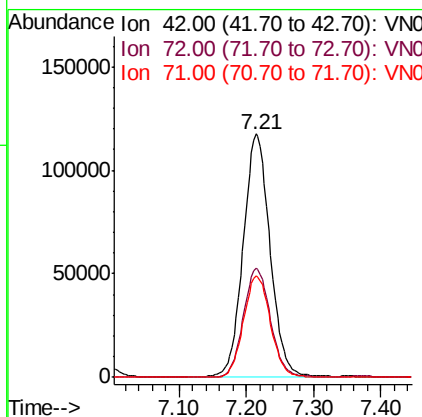
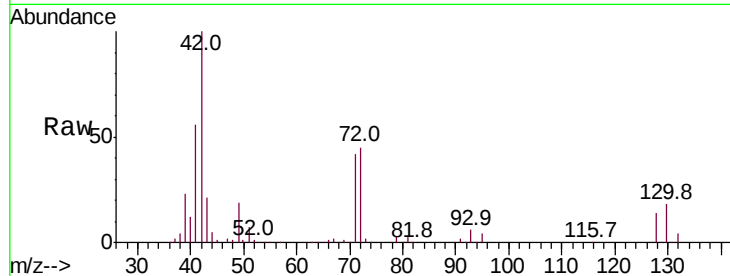
#29
Tetrahydrofuran
Concen: 244.325 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	41.7	34.0	51.0

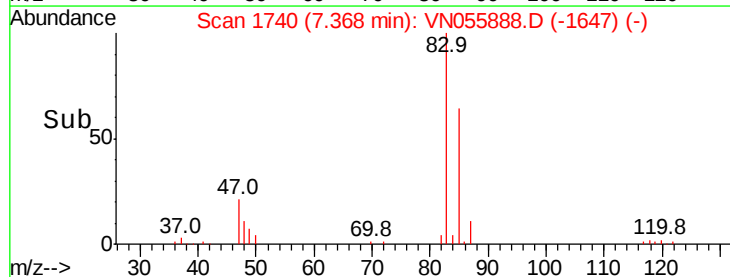
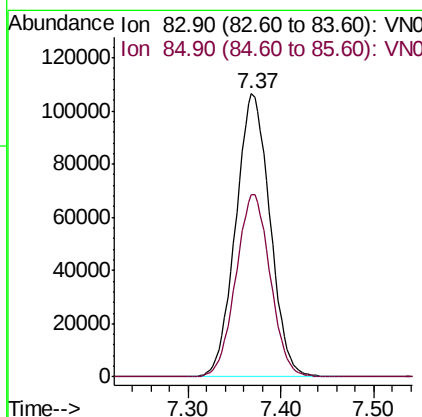
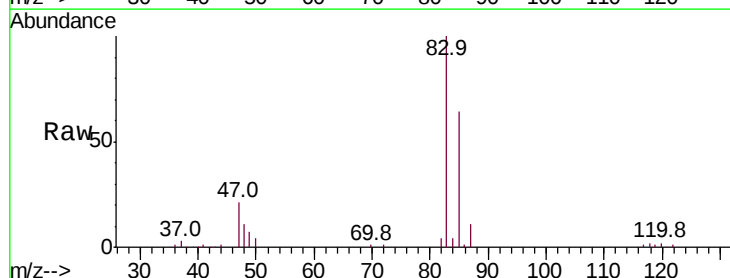
Manual Integrations
APPROVED

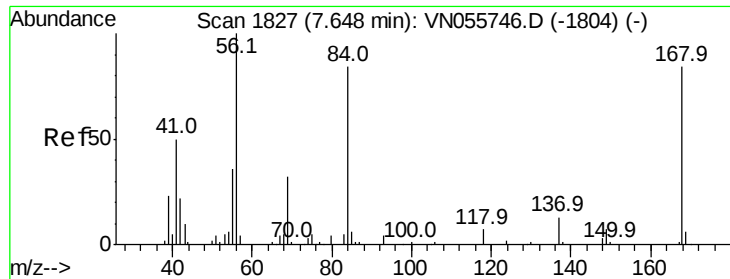
MMDadoda
5/31/2019 9:38:09 AM



#30
Chloroform
Concen: 49.680 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





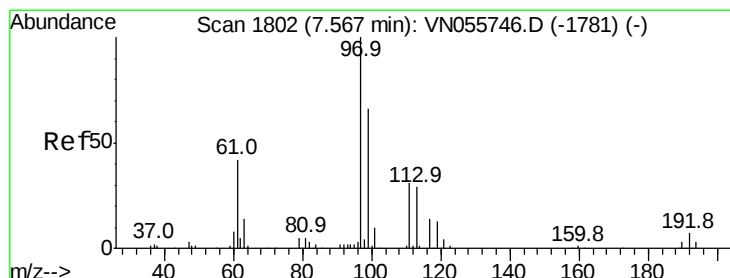
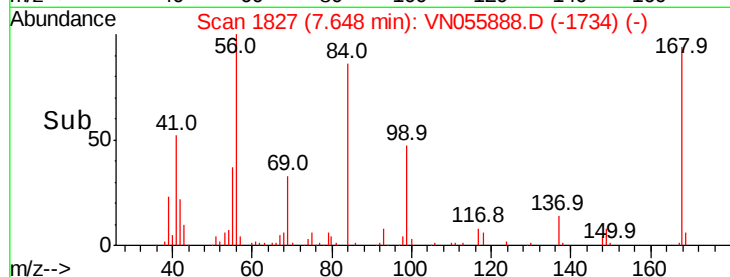
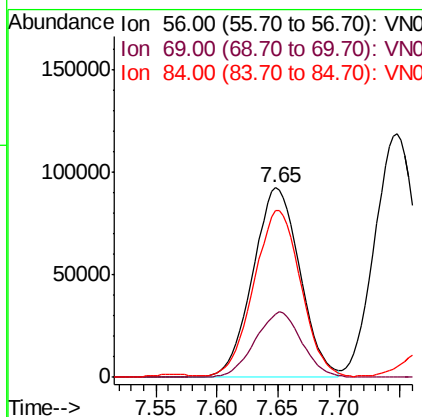
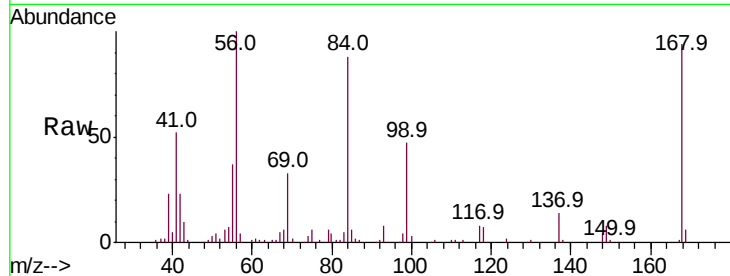
#31
Cyclohexane
Concen: 47.694 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.6	38.4
84	87.1	67.4	101.0

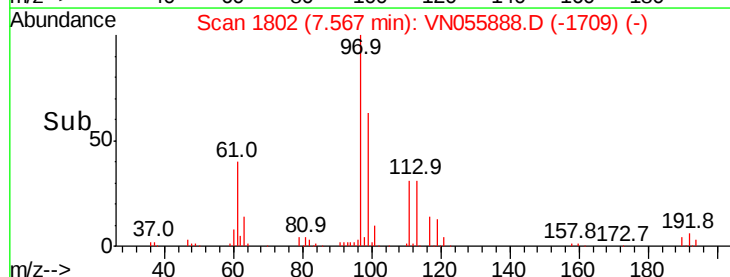
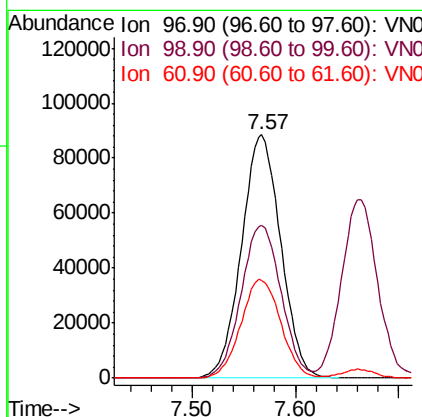
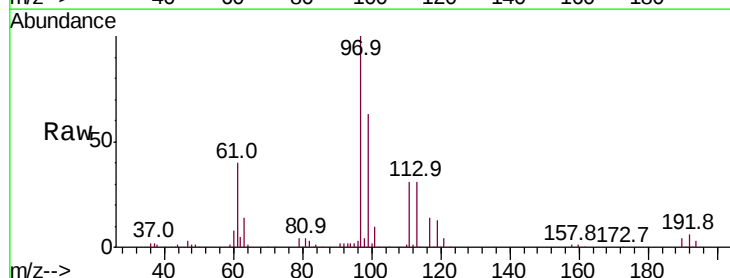
Manual Integrations
APPROVED

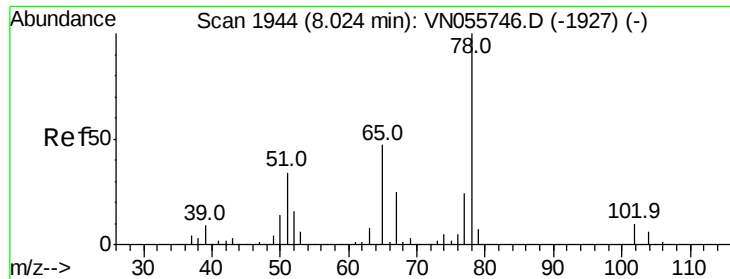
MMDadoda
5/31/2019 9:38:09 AM



#32
1,1,1-Trichloroethane
Concen: 47.755 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	41.2	32.9	49.3





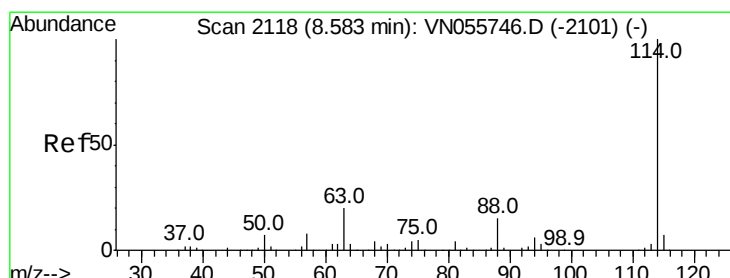
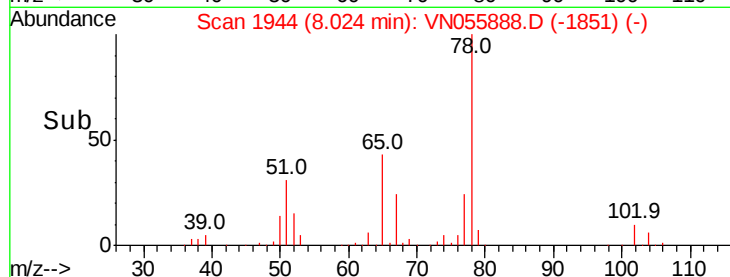
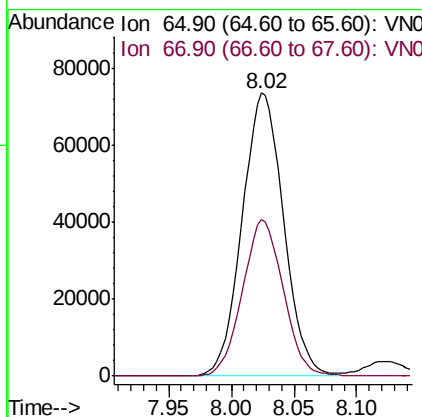
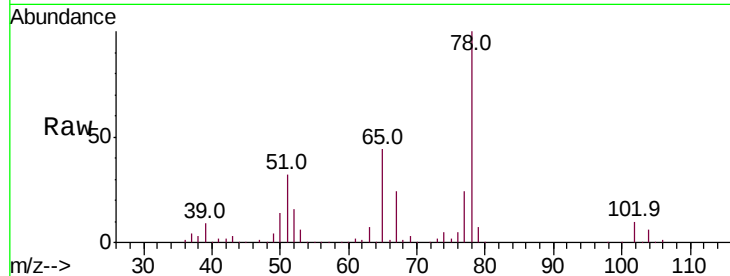
#33
 1,2-Dichloroethane-d4
 Concen: 49.215 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169690		
67	54.5	0.0	109.2	

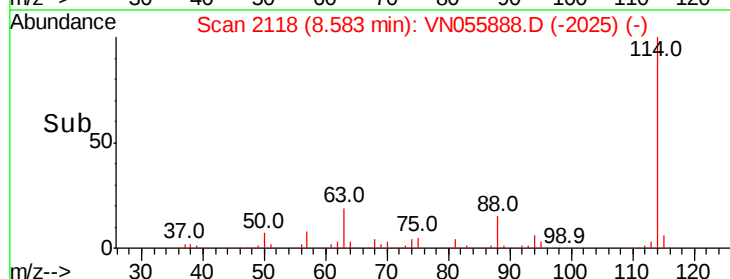
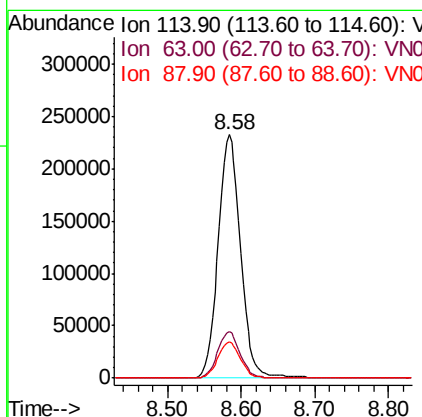
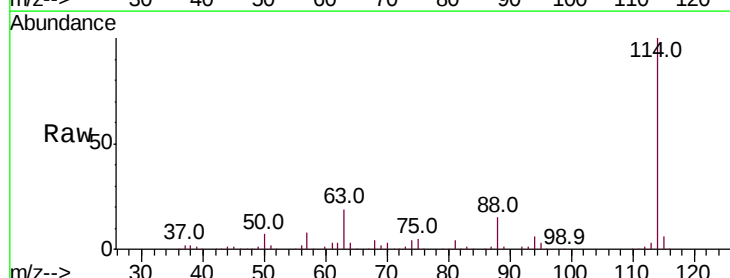
Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	491086		
63	19.0	0.0	39.2	
88	14.8	0.0	31.0	





#35

Dibromofluoromethane

Concen: 48.602 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

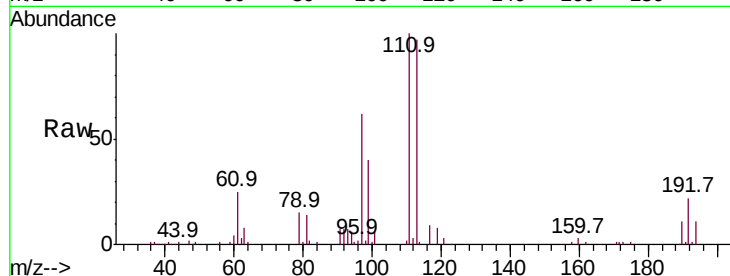
ClientSampleId :

VSTDCCC050

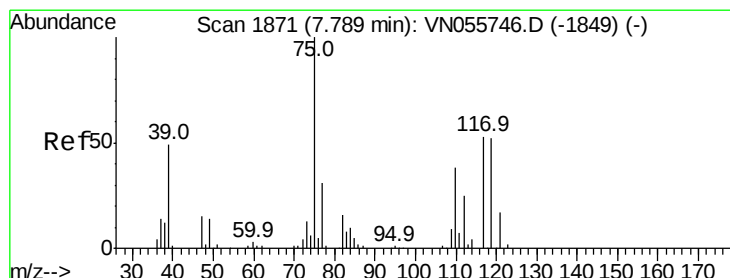
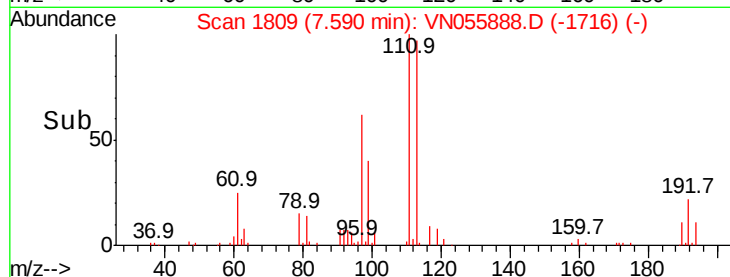
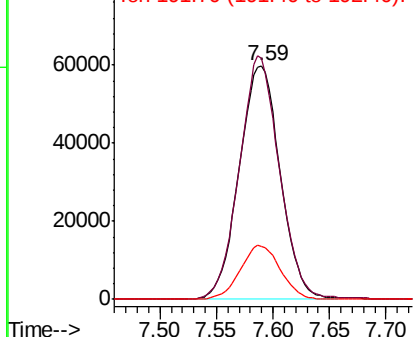
Tot Ion:	113	Resp:	150899
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.9	122.9
192	22.6	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.381 ug/l

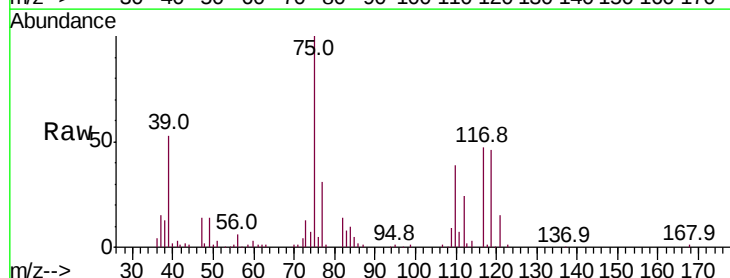
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

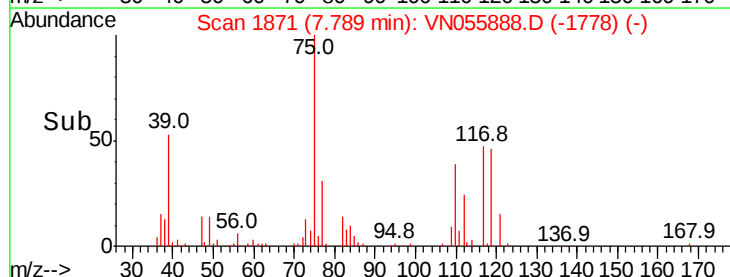
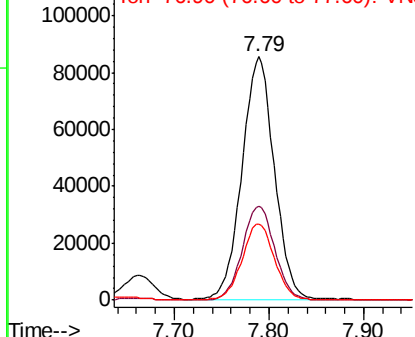
Lab File: VN055888.D

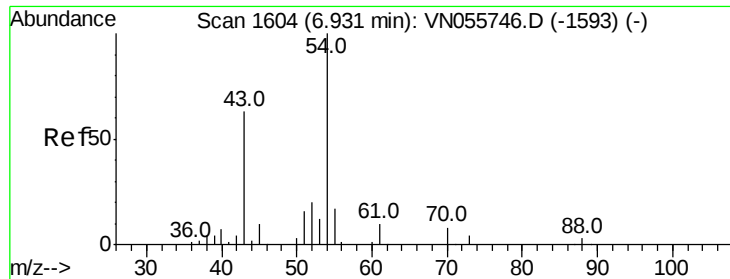
Acq: 30 May 2019 9:54

Tgt Ion:	75	Resp:	202772
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.0	57.0
77	31.7	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





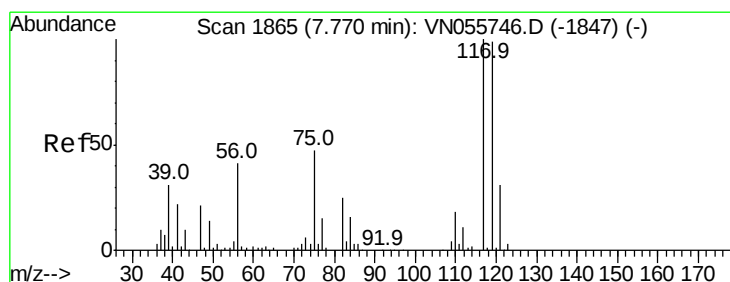
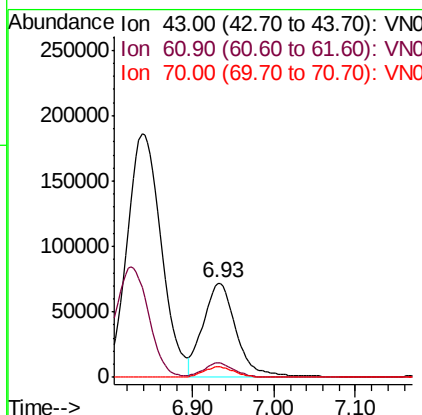
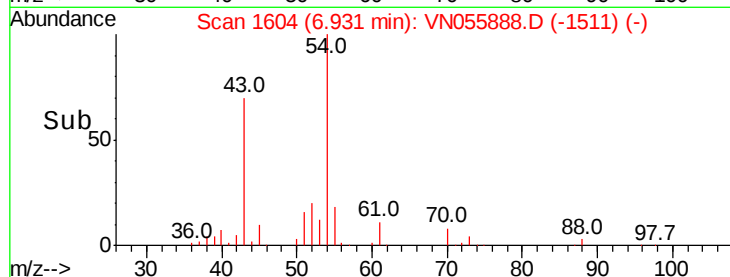
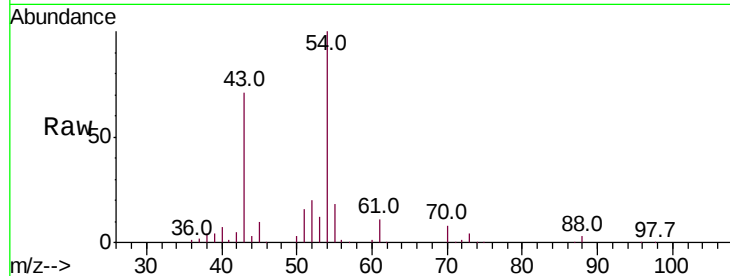
#37
Ethyl Acetate
Concen: 48.883 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ratio	100	14.2	10.6
Lower		12.2	8.9
Upper		18.2	13.3

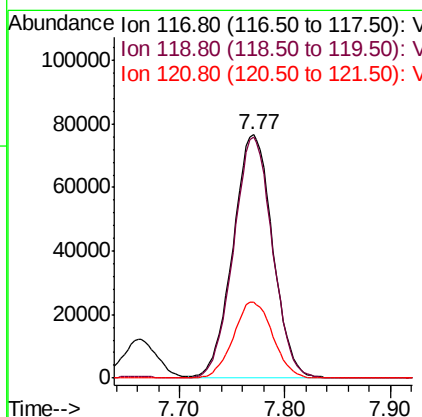
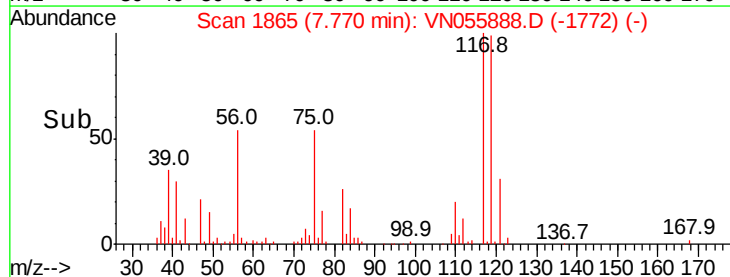
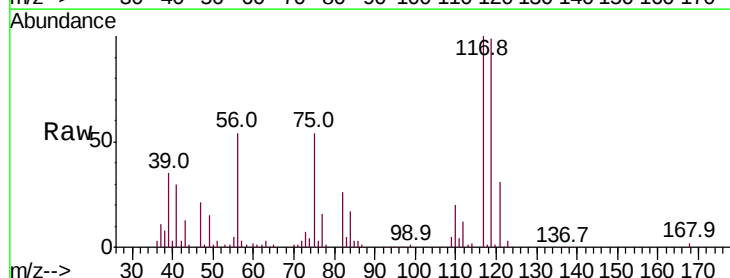
Manual Integrations
APPROVED

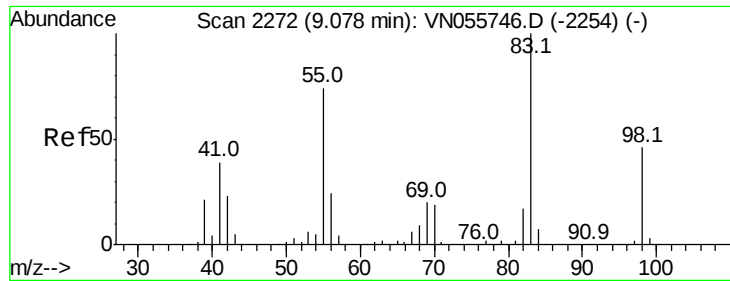
MMDadoda
5/31/2019 9:38:09 AM



#38
Carbon Tetrachloride
Concen: 44.730 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	117	119	121
Ratio	100	99.2	31.1
Lower		79.0	24.7
Upper		118.6	37.1





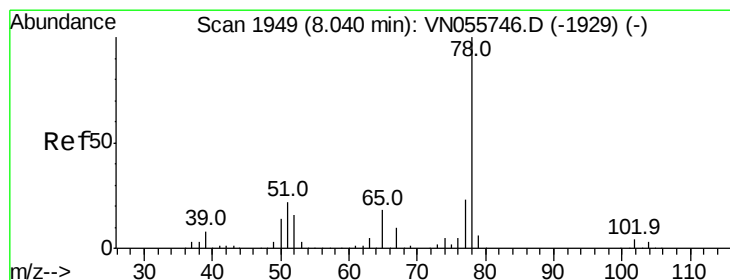
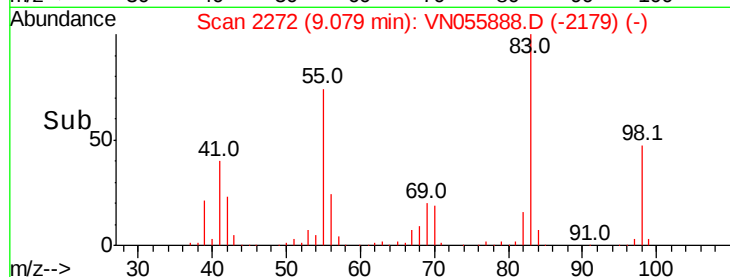
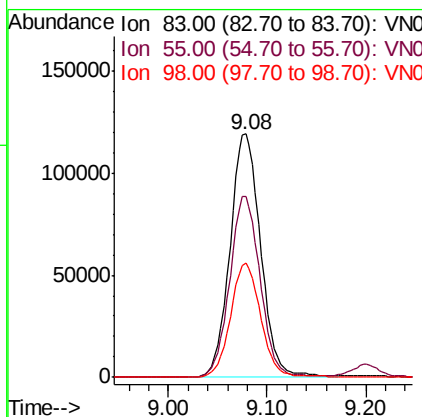
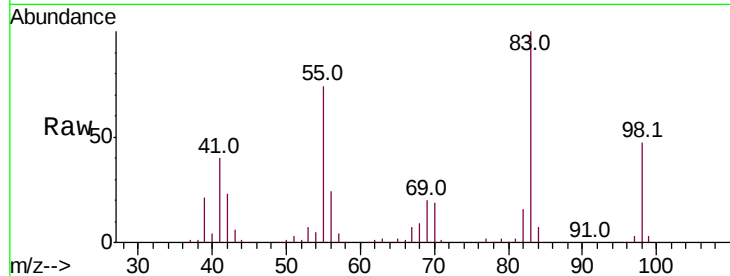
#39
Methvlcvclohexane
Concen: 48.929 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.3	88.9
98	46.8	36.6	54.8

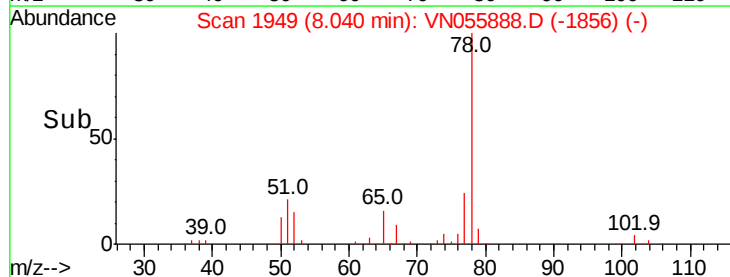
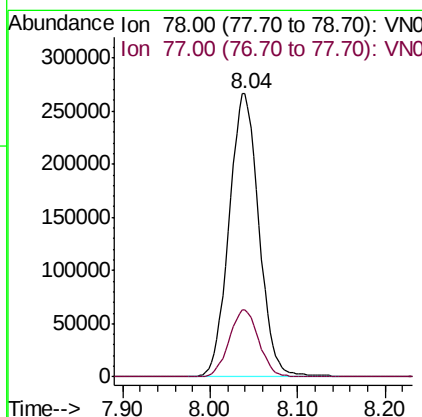
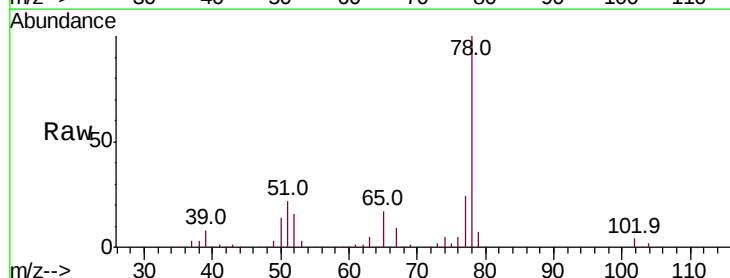
Manual Integrations
APPROVED

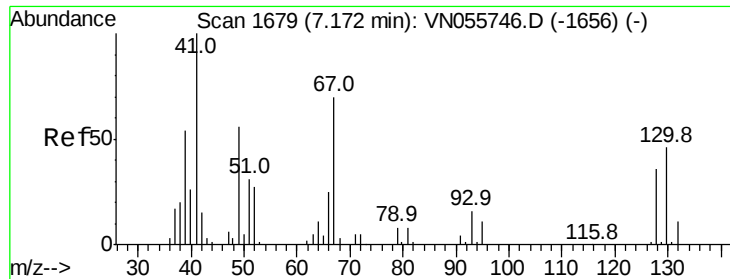
MMDadoda
5/31/2019 9:38:09 AM



#40
Benzene
Concen: 48.918 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





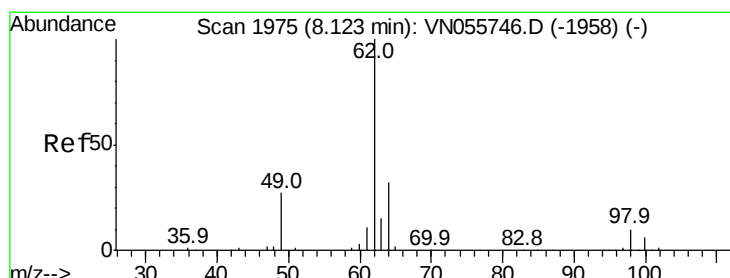
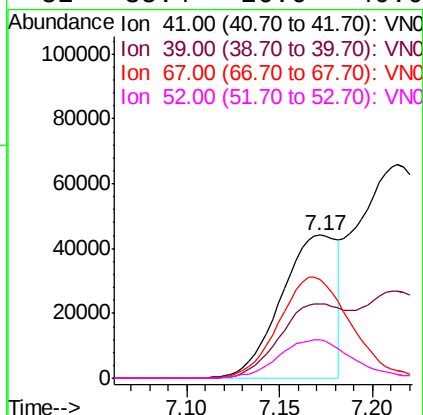
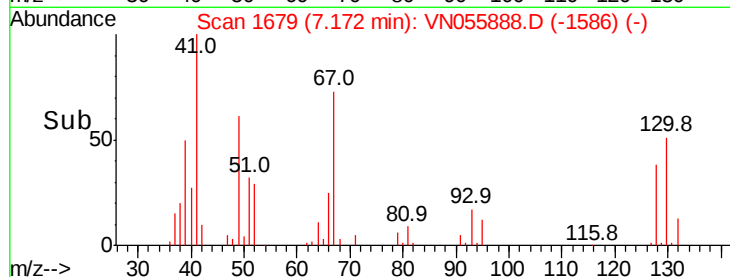
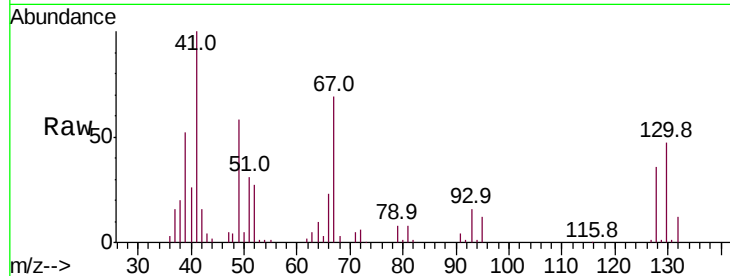
#41
Methacrylonitrile
Concen: 44.639 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	93280
Ion Ratio	Lower	Upper	
41	100		
39	61.6	45.6	68.4
67	91.1	67.7	101.5
52	35.4	26.6	40.0

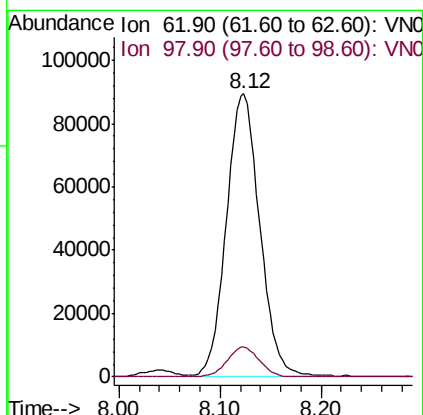
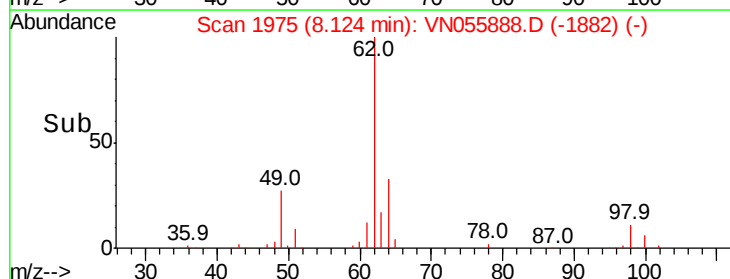
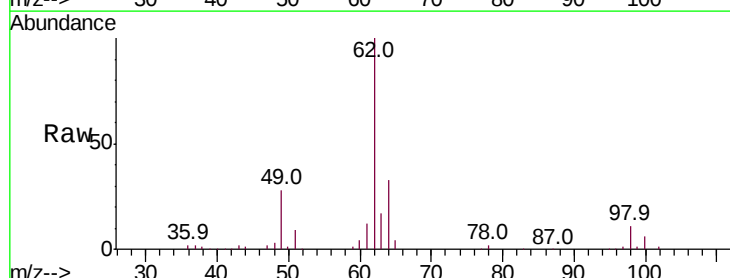
Manual Integrations
APPROVED

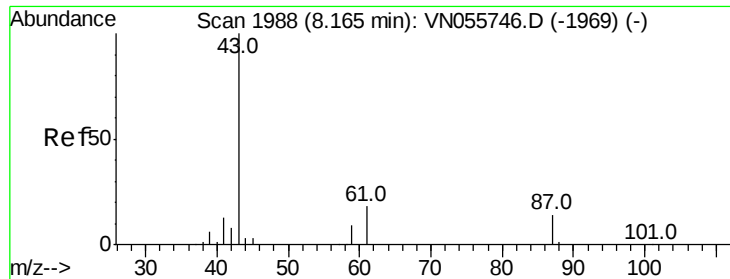
MMDadoda
5/31/2019 9:38:09 AM



#42
1,2-Dichloroethane
Concen: 48.596 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	62	Resp	204811
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.787 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

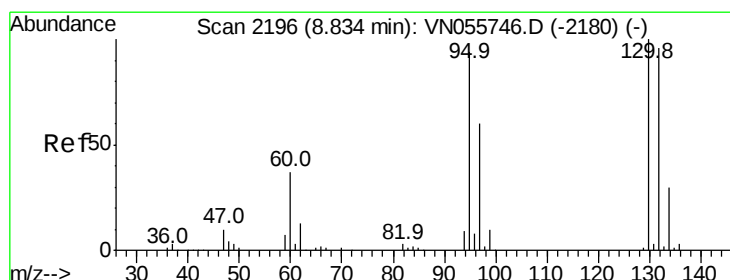
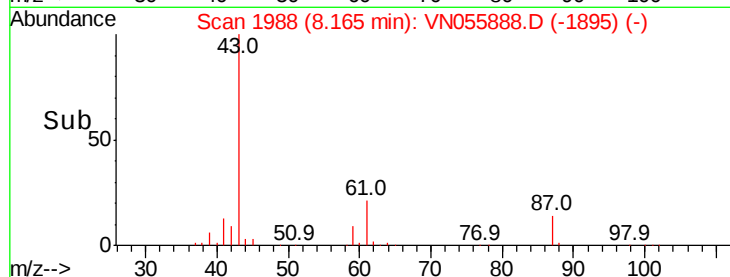
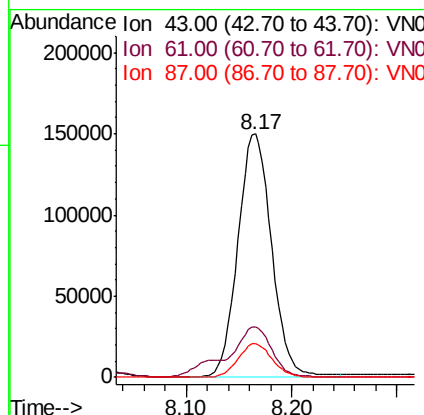
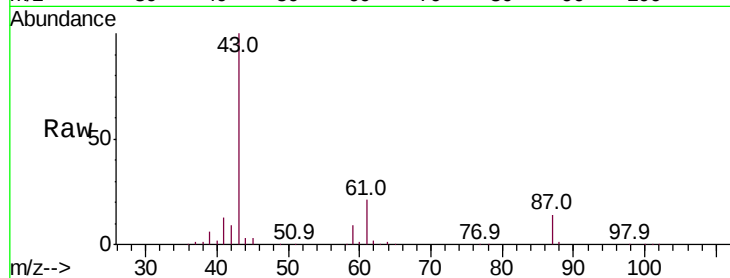
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	332105
Ion Ratio	Lower	Upper	
43	100		
61	20.8	22.2	33.4#
87	14.0	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#44

Trichloroethene

Concen: 48.734 ug/l

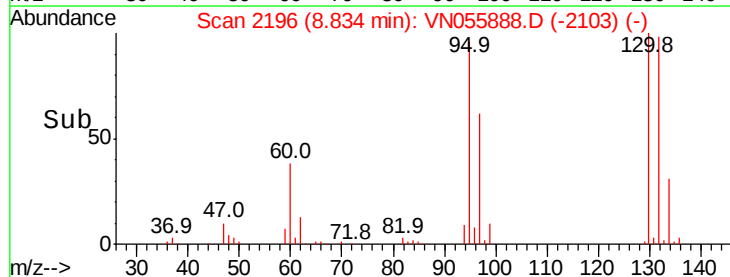
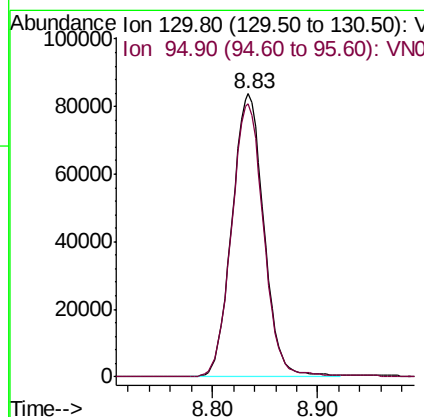
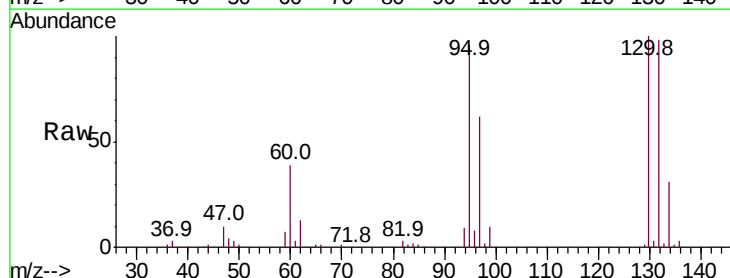
RT: 8.83 min Scan# 2196

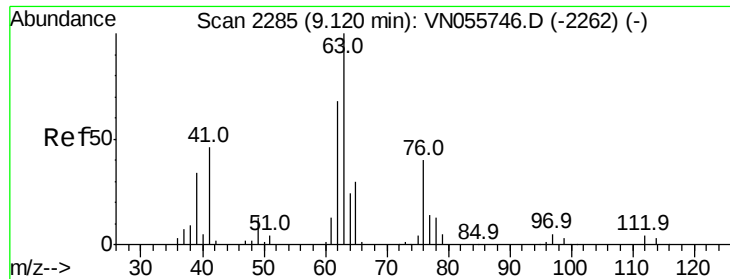
Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	130	Resp:	175233
Ion Ratio	Lower	Upper	
130	100		
95	96.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.084 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 168305

Ion Ratio Lower Upper

63 100

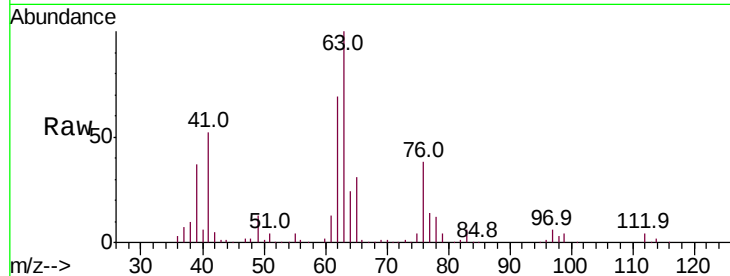
65 30.6 24.6 36.8

Manual Integrations

APPROVED

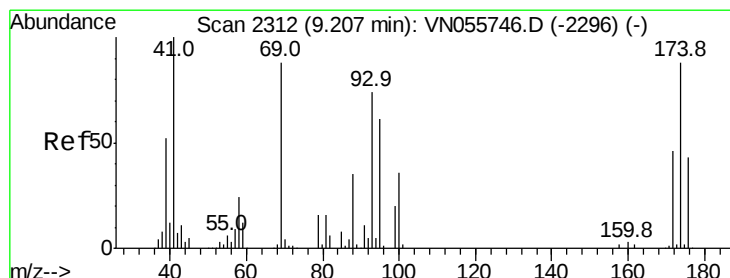
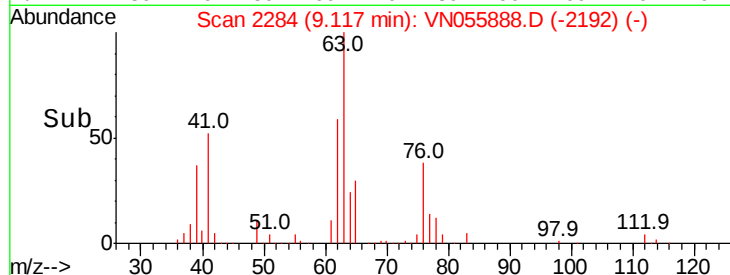
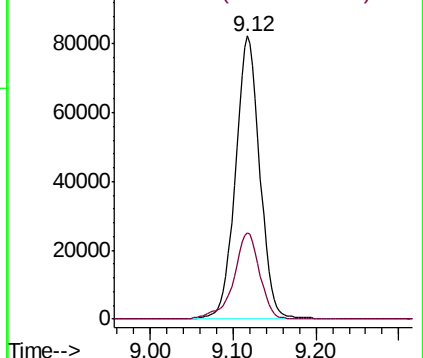
MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.933 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

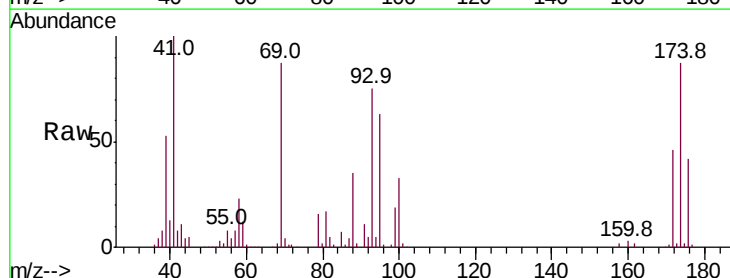
Tgt Ion: 93 Resp: 107841

Ion Ratio Lower Upper

93 100

95 84.7 66.7 100.1

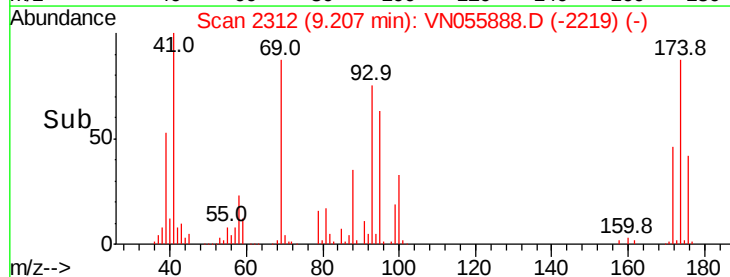
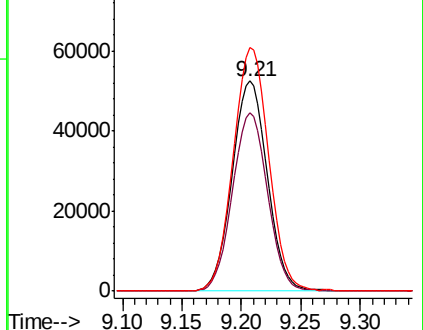
174 116.7 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.000 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

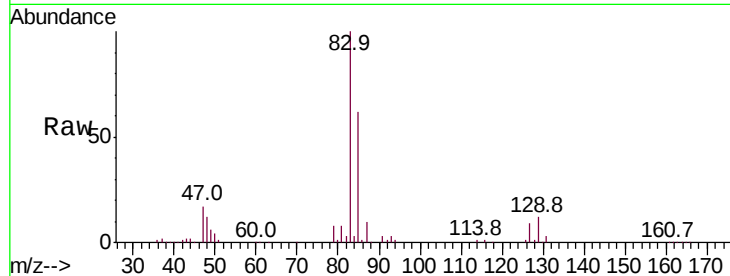
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	216910
Ion Ratio	Lower	Upper	
83	100		
85	62.3	52.2	78.2
127	8.9	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

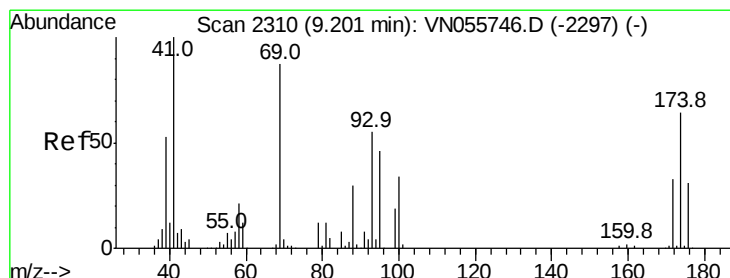
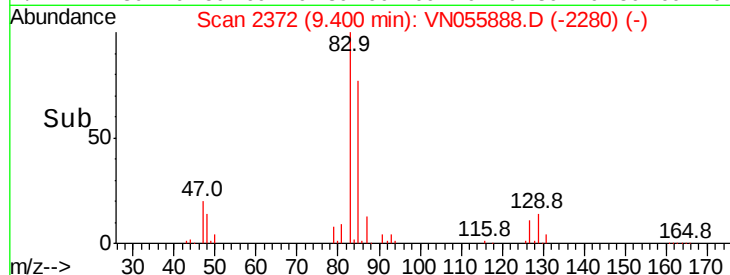
9.40

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 50.435 ug/l

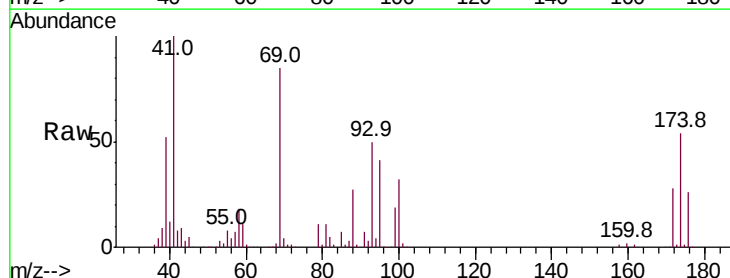
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	41	Resp:	161540
Ion Ratio	Lower	Upper	
41	100		
69	87.3	71.0	106.6
39	52.9	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

9.20

100000

80000

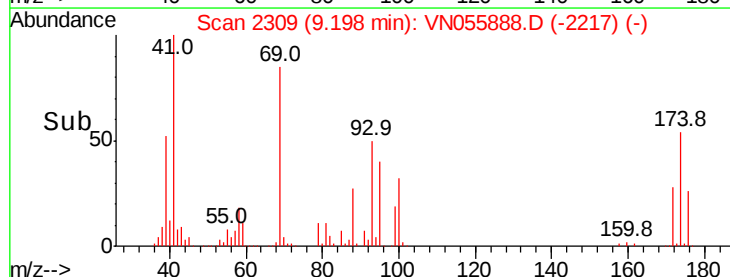
60000

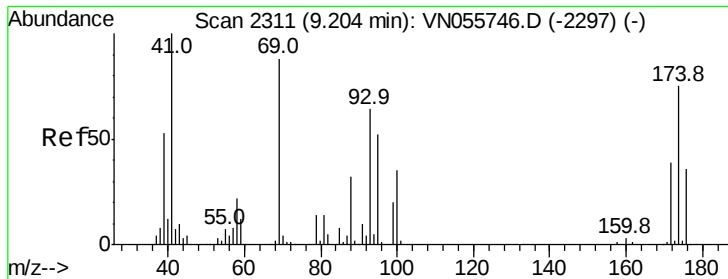
40000

20000

0

Time-->





#49

1,4-Dioxane

Concen: 961.026 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

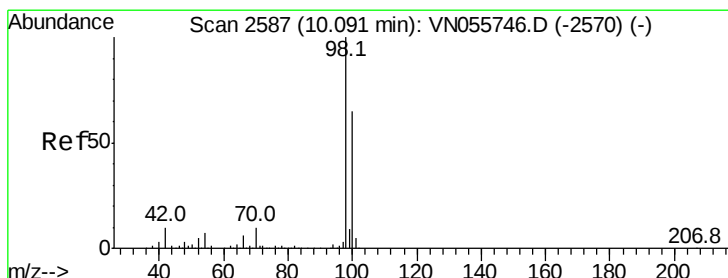
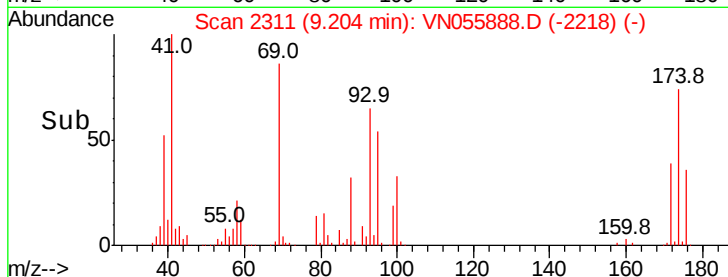
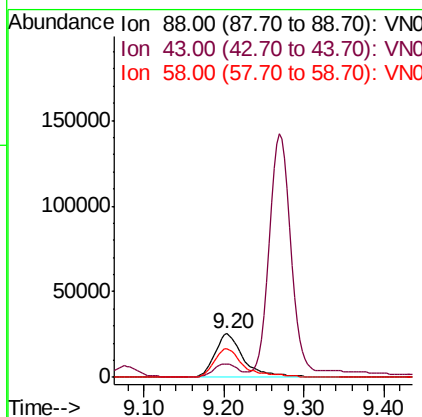
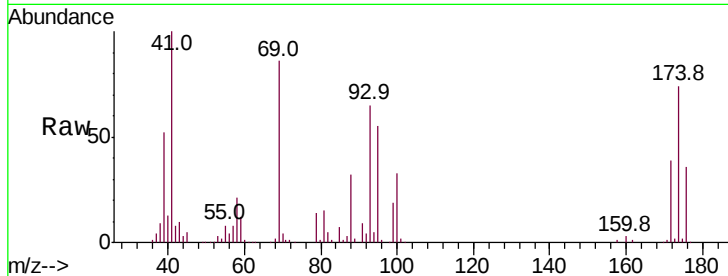
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	63965
Ion Ratio	Lower	Upper	
88	100		
43	25.6	20.5	30.7
58	67.5	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#50

Toluene-d8

Concen: 48.297 ug/l

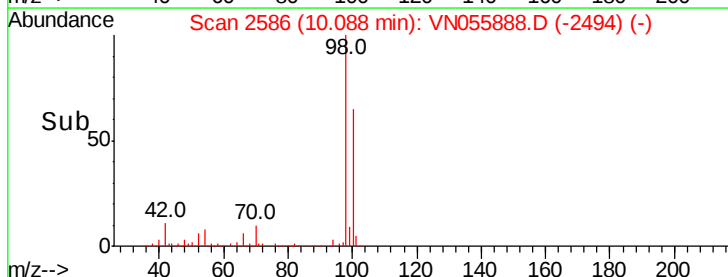
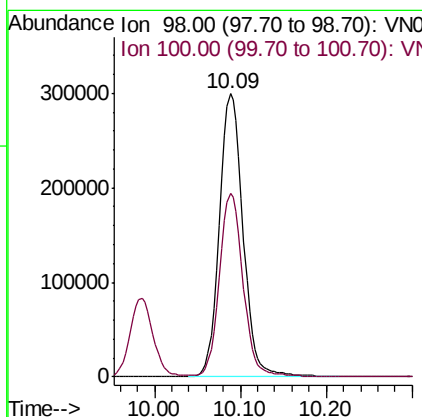
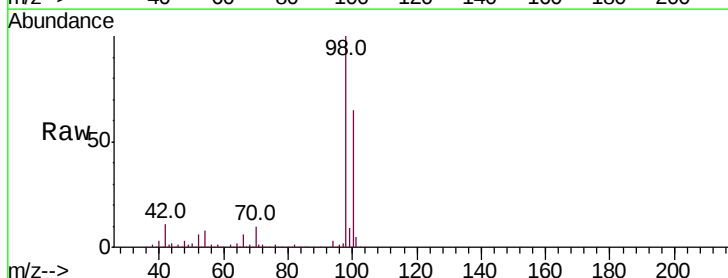
RT: 10.09 min Scan# 2586

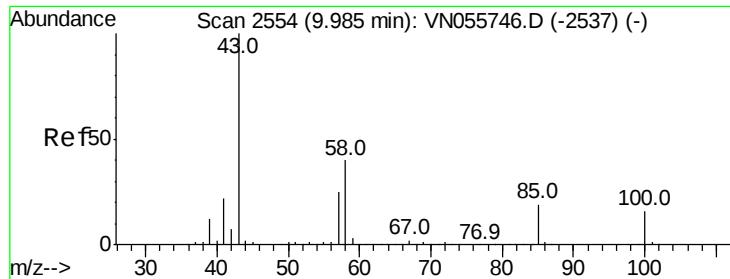
Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	98	Resp:	575202
Ion Ratio	Lower	Upper	
98	100		
100	65.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 246.850 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1013184

Ion Ratio Lower Upper

43 100

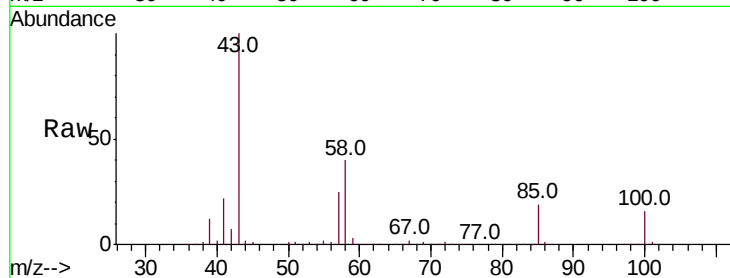
58 40.0 32.1 48.1

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

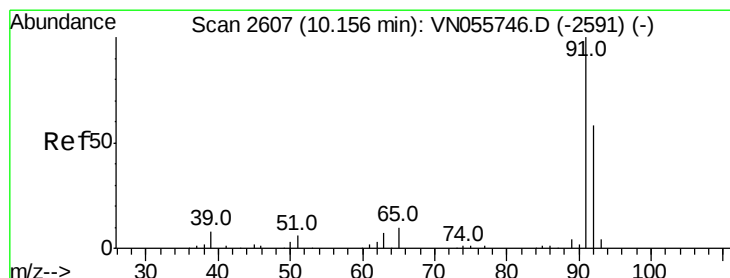
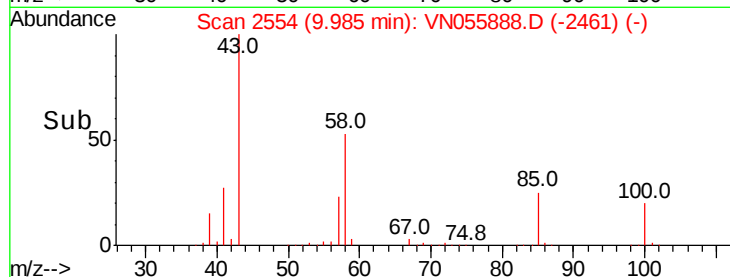
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.697 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055888.D

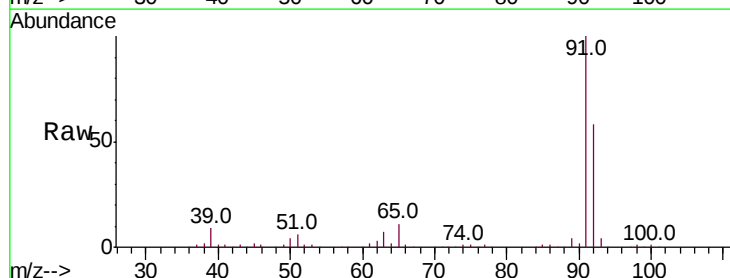
Acq: 30 May 2019 9:54

Tgt Ion: 92 Resp: 403136

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

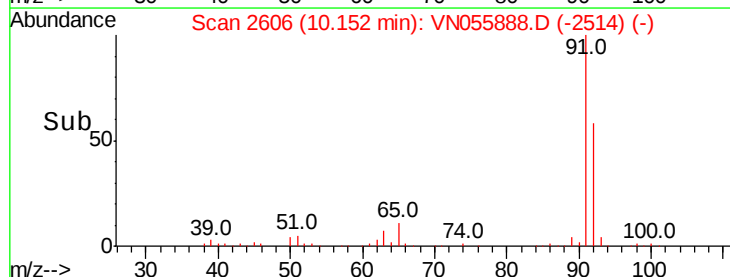
300000

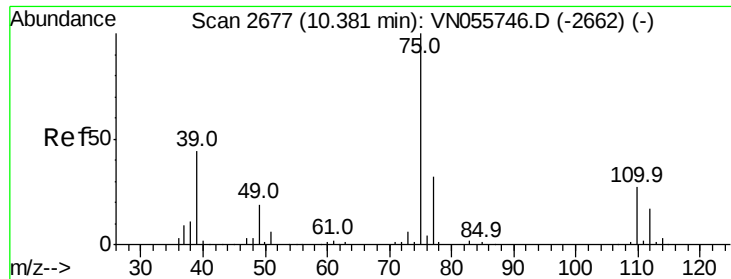
200000

100000

0

Time-->





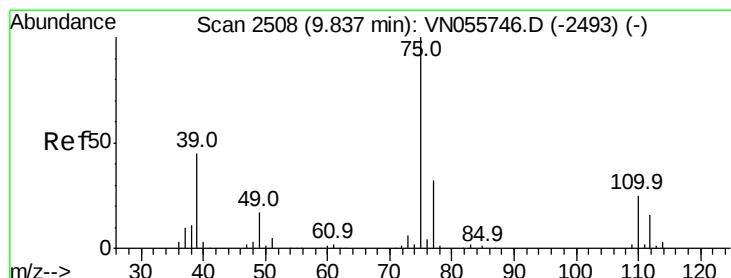
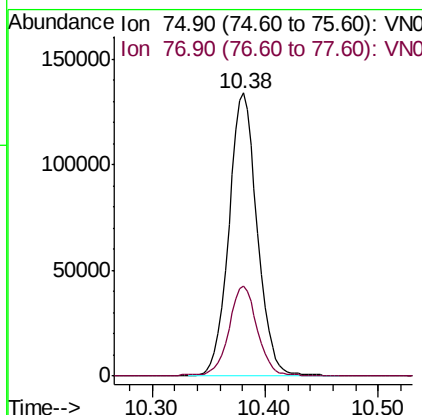
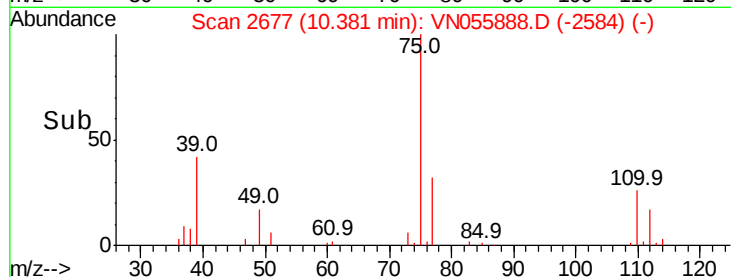
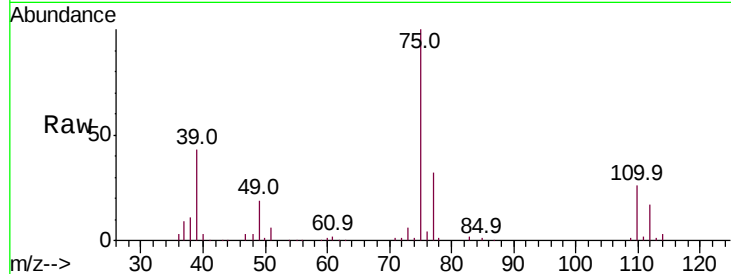
#53
 t-1,3-Dichloropropene
 Concen: 48.396 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 233446
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6

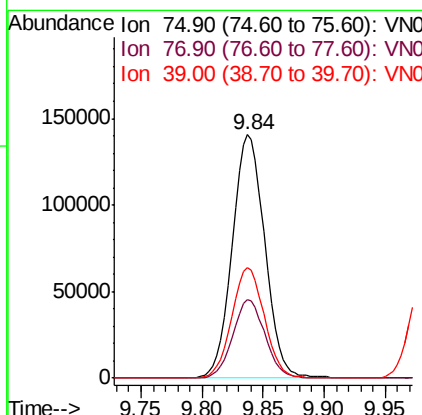
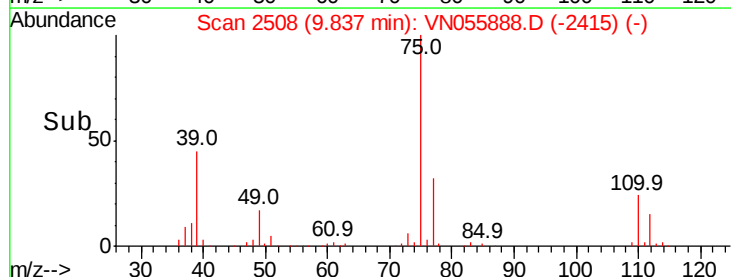
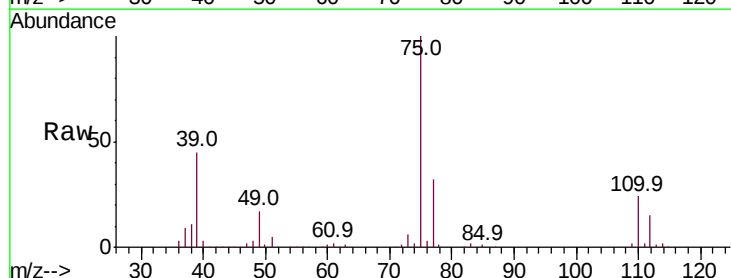
Manual Integrations
 APPROVED

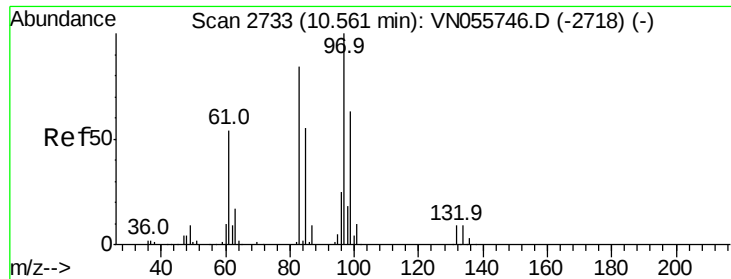
MMDadoda
 5/31/2019 9:38:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.754 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 75 Resp: 260530
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 45.4 36.3 54.5





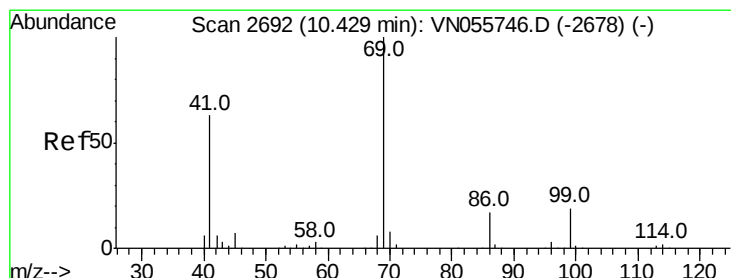
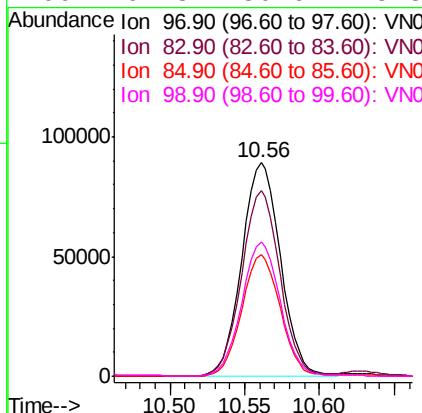
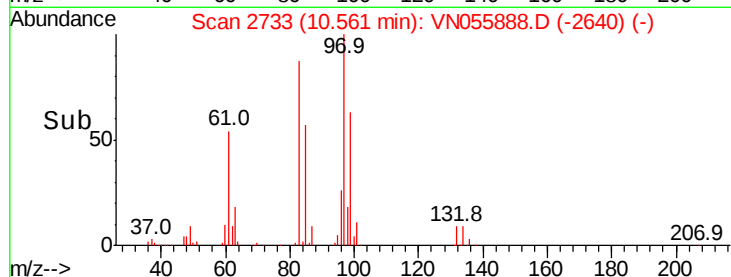
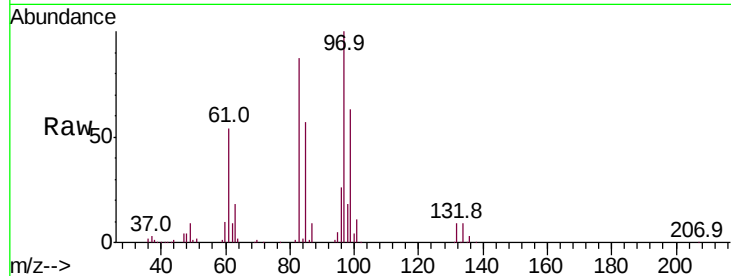
#55
 1,1,2-Trichloroethane
 Concen: 49.631 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	161287		
83	87.1	67.0	100.6	
85	56.9	44.0	66.0	
99	62.8	50.6	75.8	

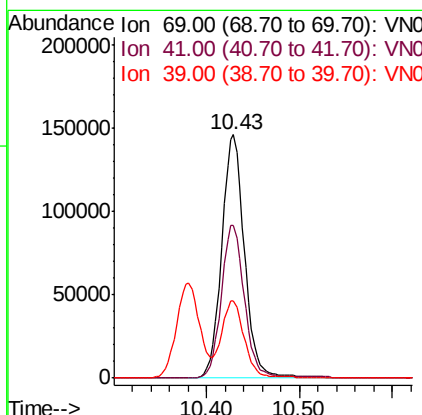
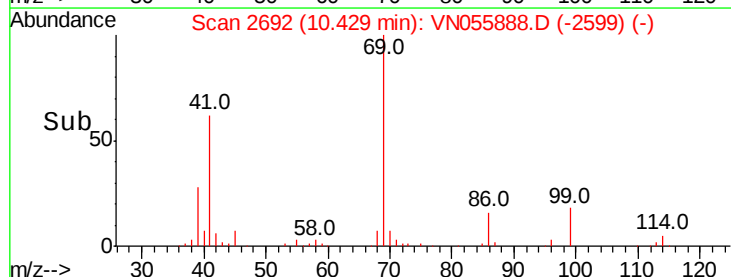
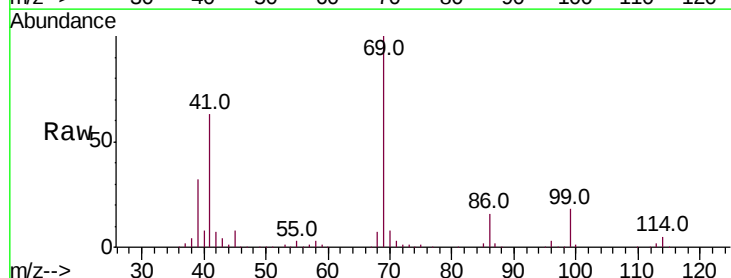
Manual Integrations
 APPROVED

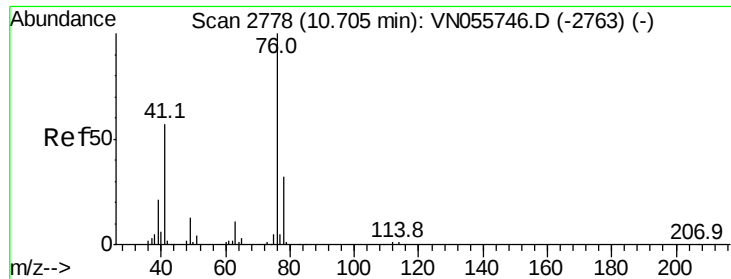
MMDadoda
 5/31/2019 9:38:09 AM



#56
 Ethyl methacrylate
 Concen: 49.727 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	249744		
41	62.8	49.7	74.5	
39	31.0	24.7	37.1	





#57

1,3-Dichloropropane

Concen: 49.913 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 263656

Ion Ratio Lower Upper

76 100

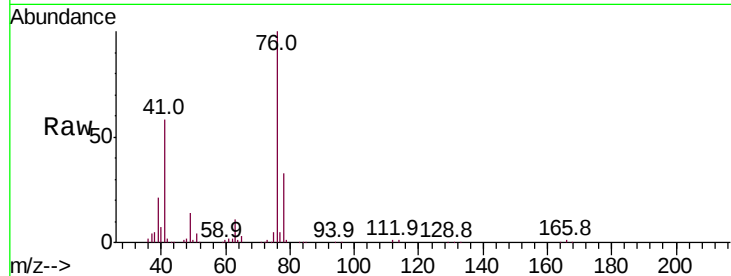
78 32.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:38:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

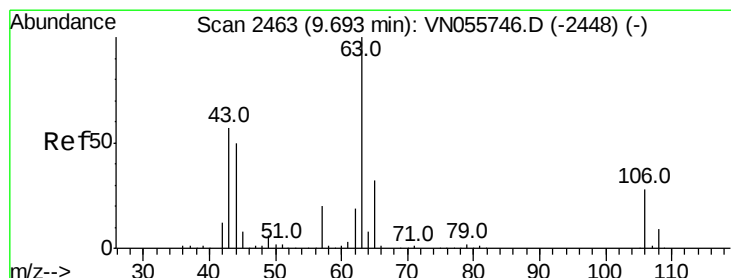
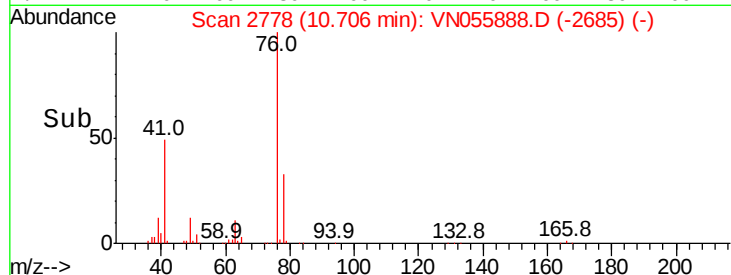
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 226.097 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055888.D

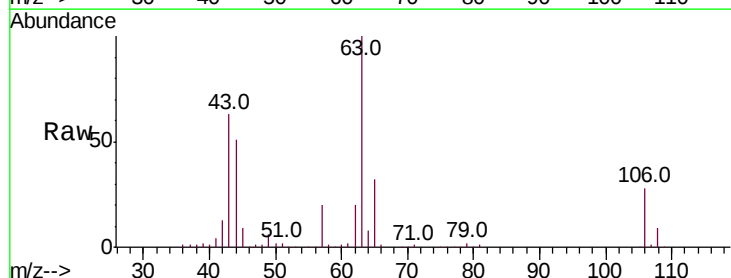
Acq: 30 May 2019 9:54

Tgt Ion: 63 Resp: 433955

Ion Ratio Lower Upper

63 100

106 27.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

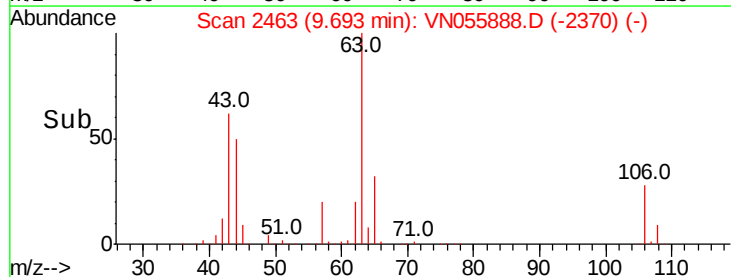
150000

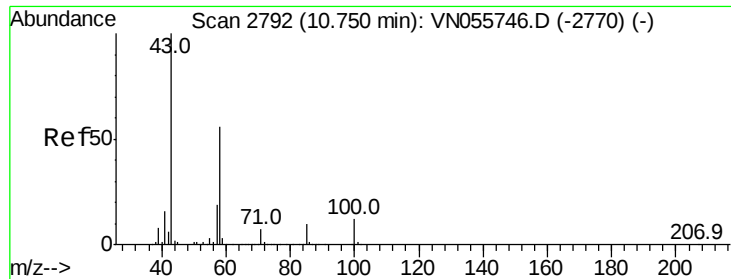
100000

50000

0

Time--> 9.60 9.70 9.80





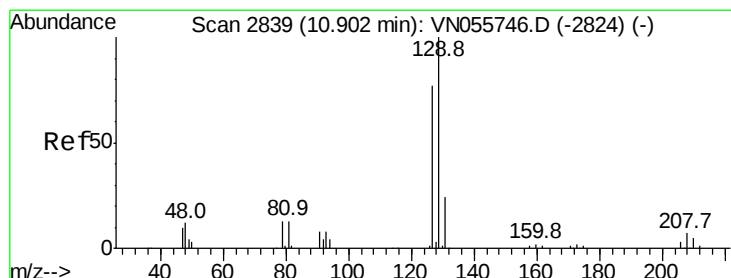
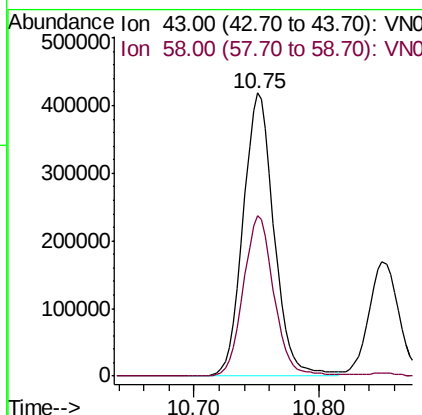
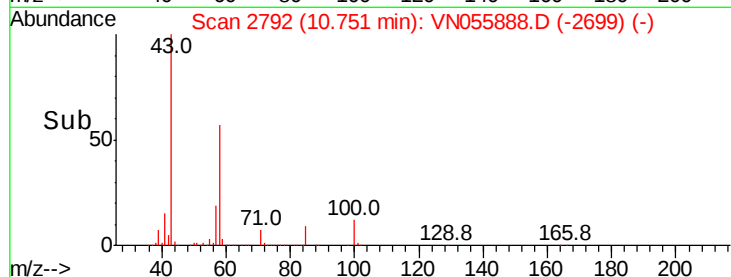
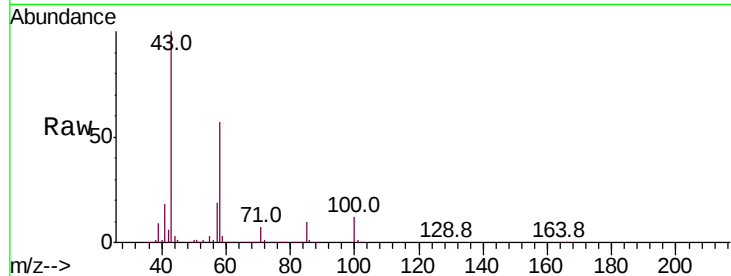
#59
2-Hexanone
Concen: 246.269 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 717070
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7

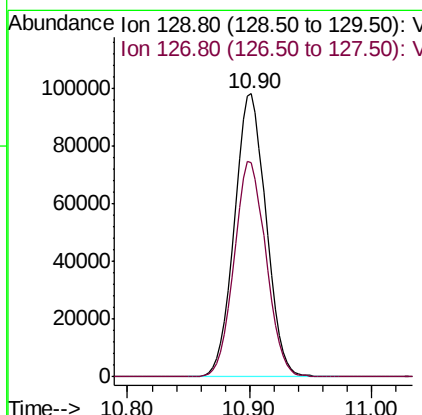
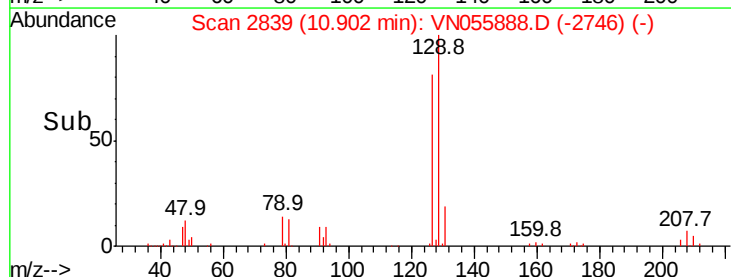
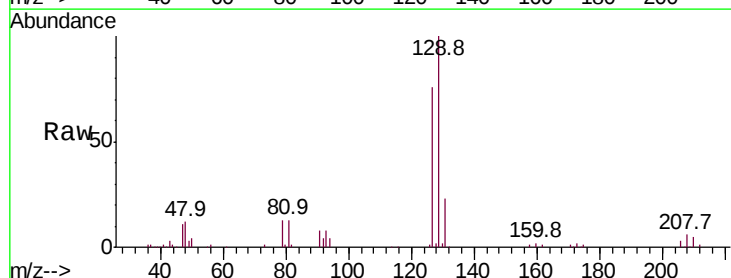
Manual Integrations
APPROVED

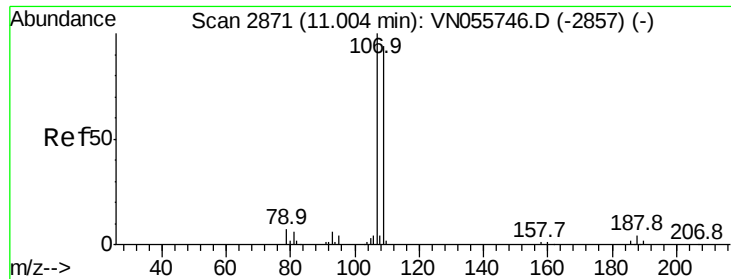
MMDadoda
5/31/2019 9:38:09 AM



#60
Dibromochloromethane
Concen: 46.653 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 129 Resp: 176614
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





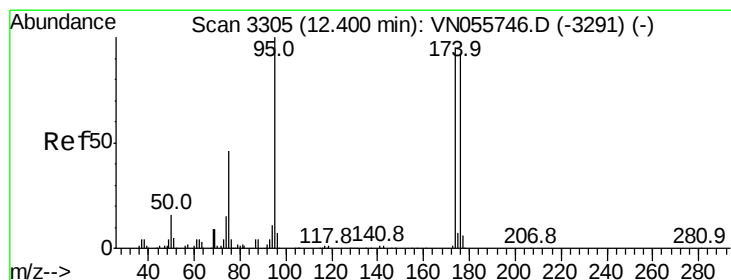
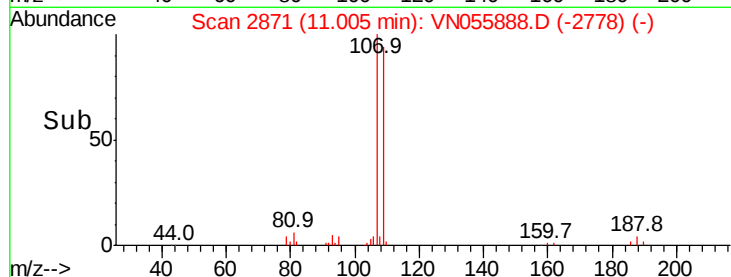
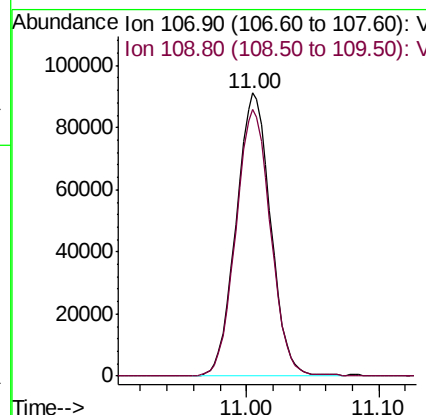
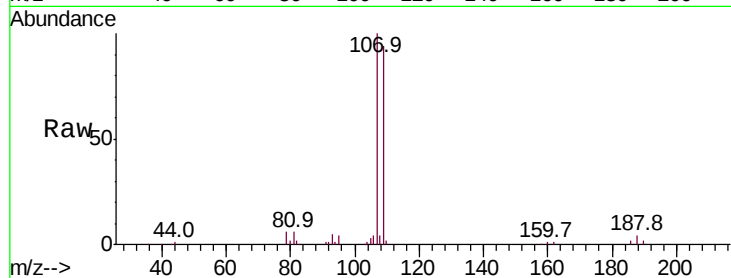
#61
 1,2-Dibromoethane
 Concen: 48.835 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	164610		
109	95.0	74.8	112.2	

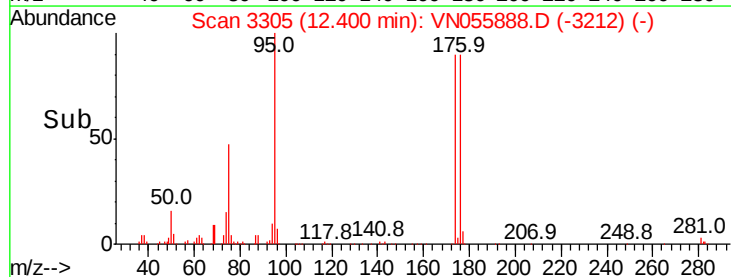
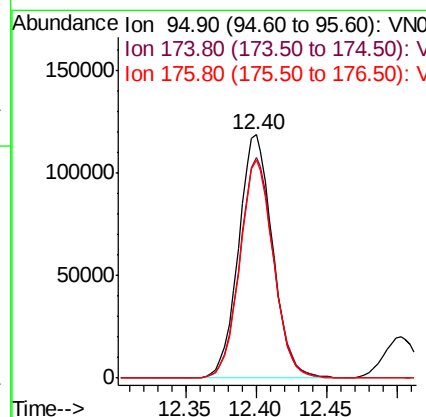
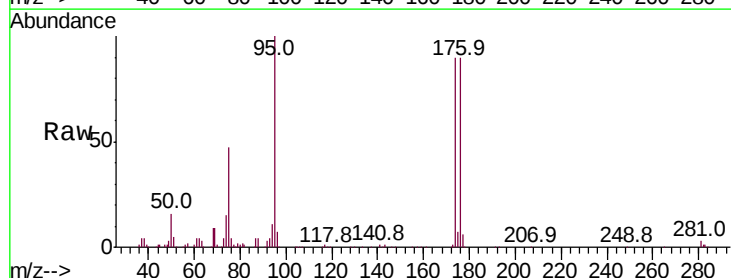
Manual Integrations
 APPROVED

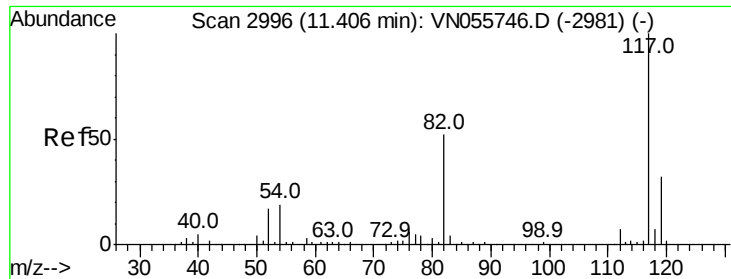
MMDadoda
 5/31/2019 9:38:09 AM



#62
 4-Bromofluorobenzene
 Concen: 49.119 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	200590		
174	90.1	0.0	191.0	
176	88.2	0.0	185.2	





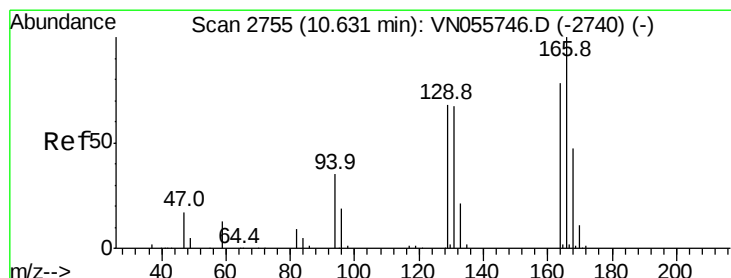
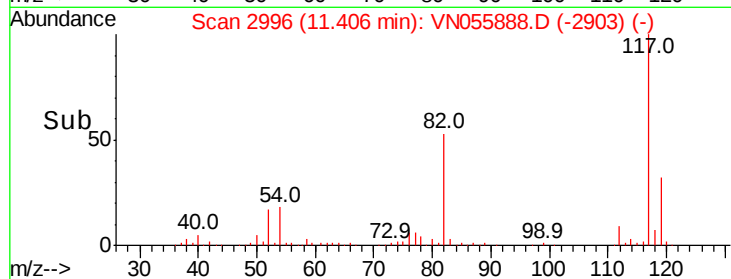
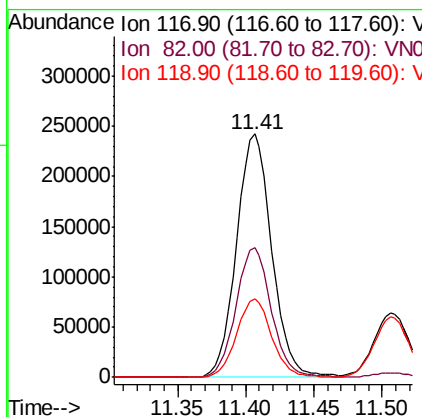
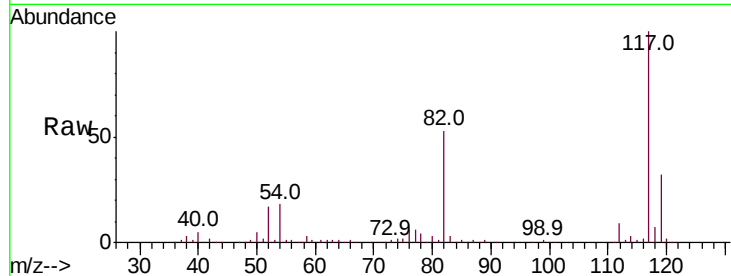
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.1	25.4	38.0

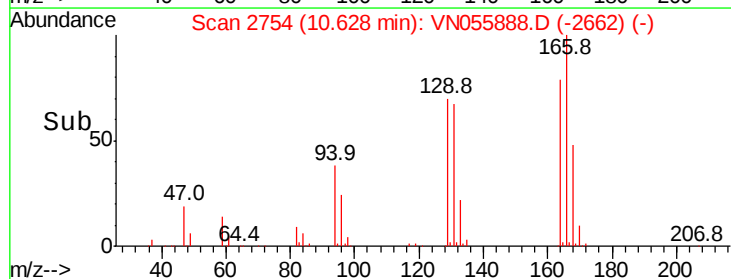
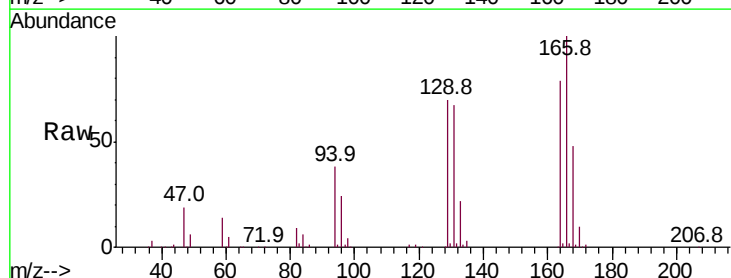
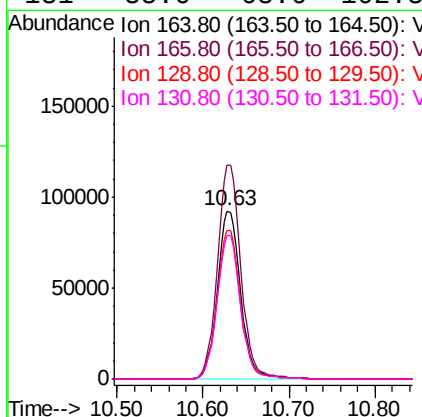
Manual Integrations
APPROVED

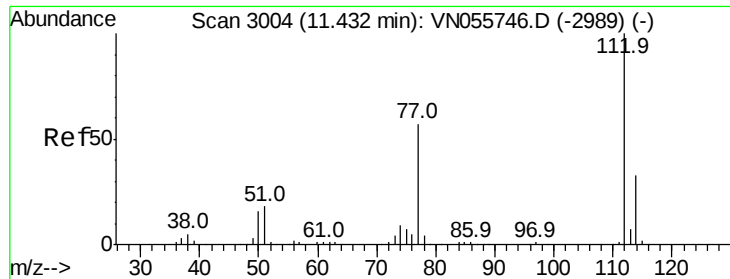
MMDadoda
5/31/2019 9:38:09 AM



#64
Tetrachloroethene
Concen: 47.116 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.0	154.6
129	88.6	70.6	105.8
131	85.6	68.6	102.8





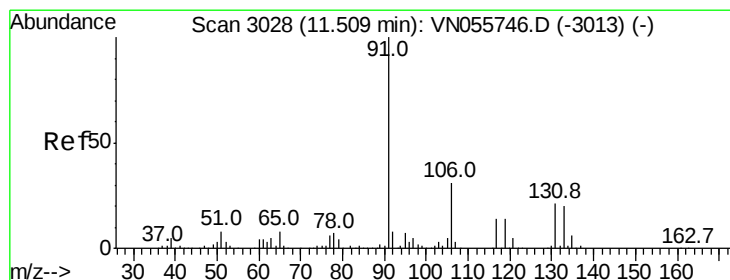
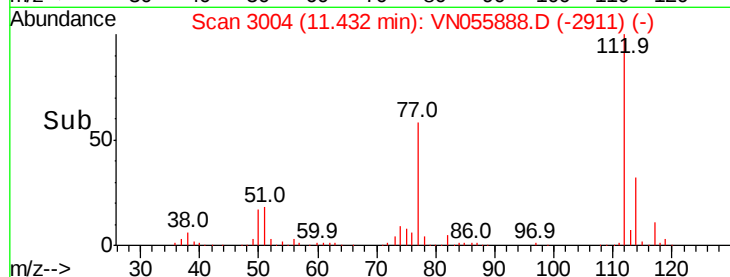
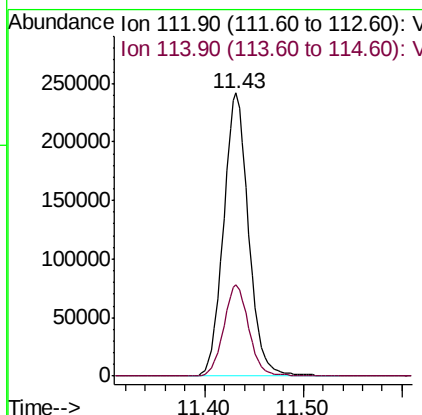
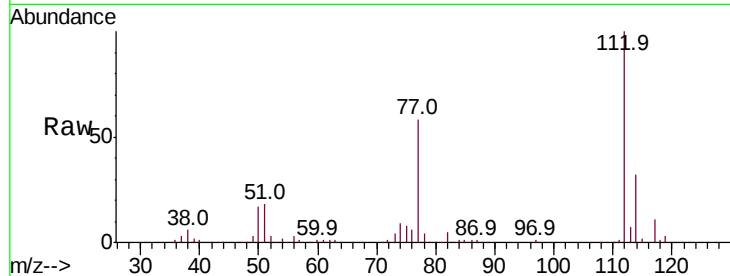
#65
Chlorobenzene
Concen: 49.438 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 430630
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

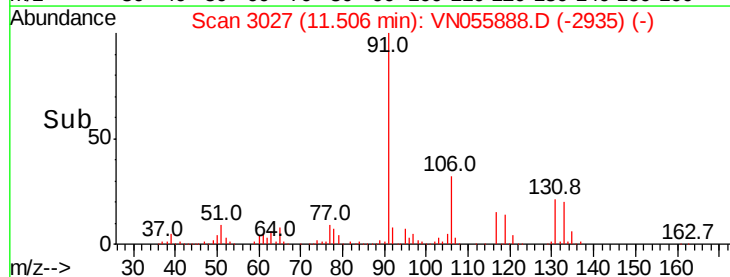
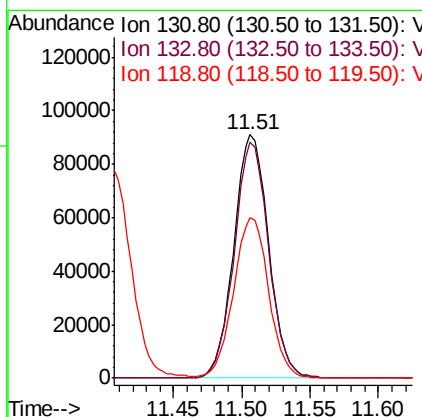
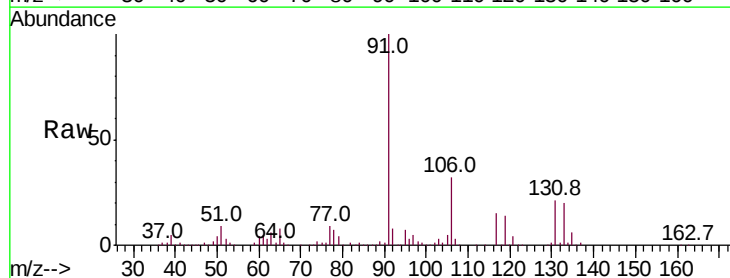
Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.507 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:131 Resp: 161568
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.6 33.1 99.5





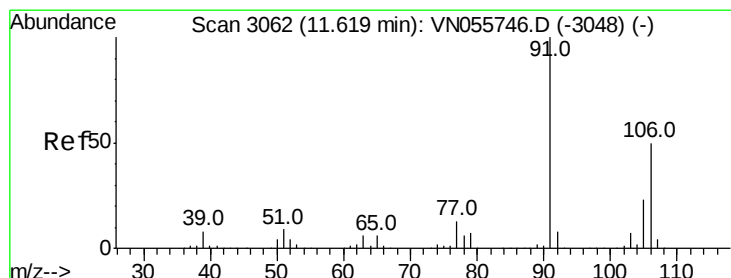
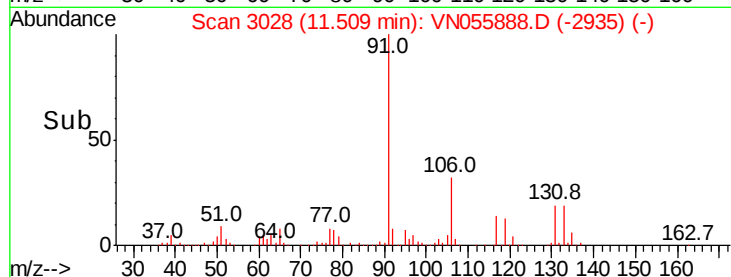
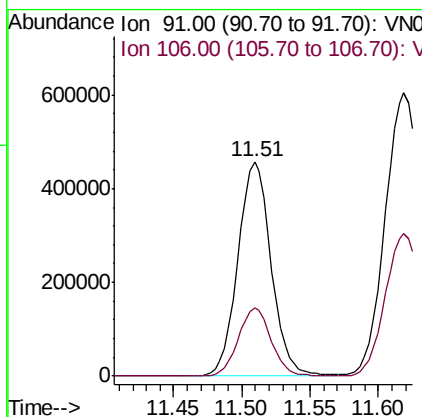
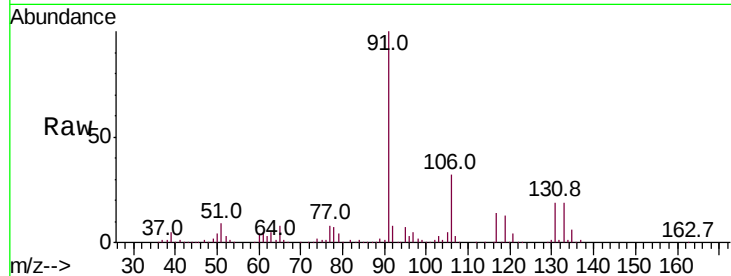
#67
Ethyl Benzene
Concen: 49.576 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 774392
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

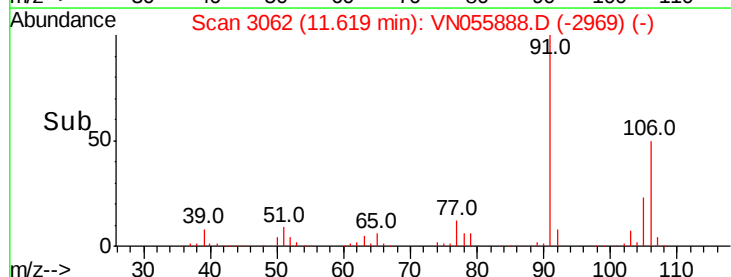
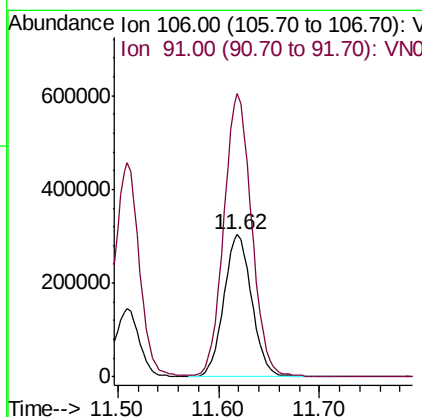
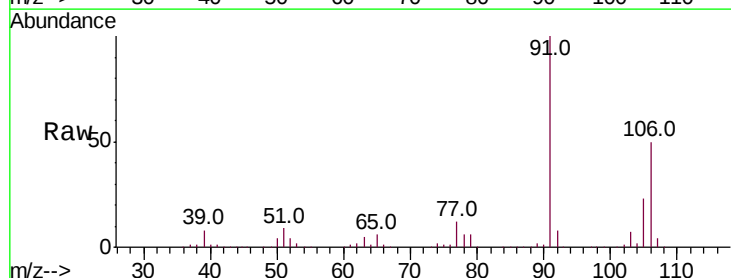
Manual Integrations
APPROVED

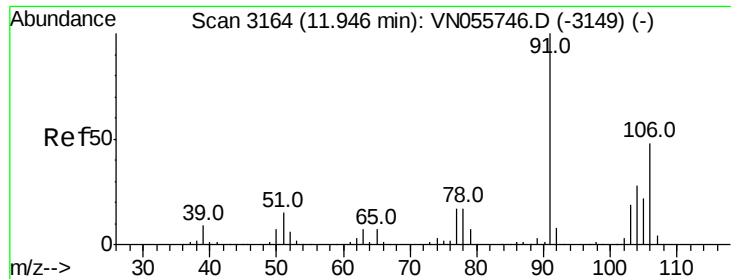
MMDadoda
5/31/2019 9:38:09 AM



#68
m/p-Xylenes
Concen: 99.475 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 106 Resp: 587427
Ion Ratio Lower Upper
106 100
91 198.9 159.3 238.9





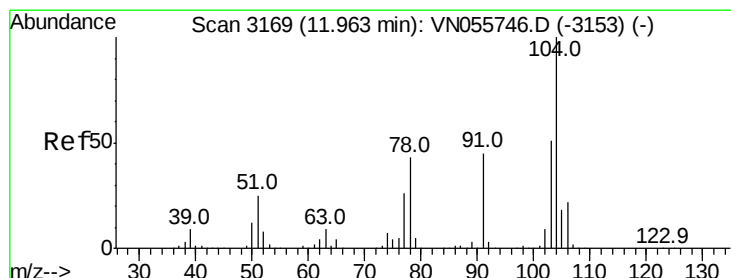
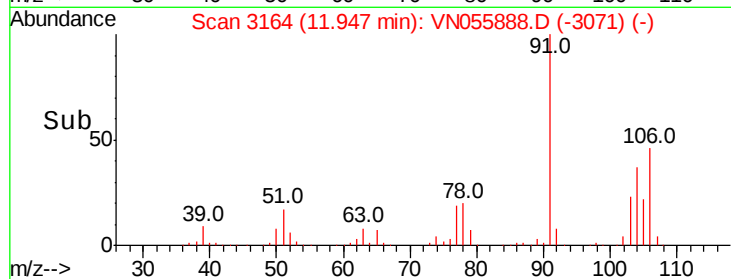
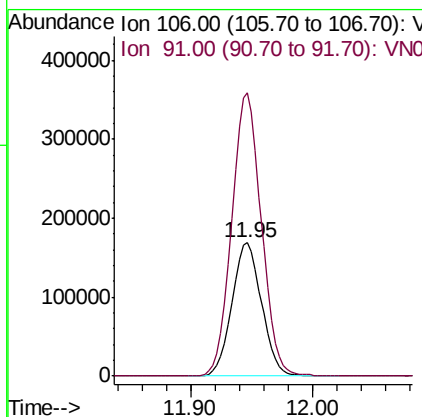
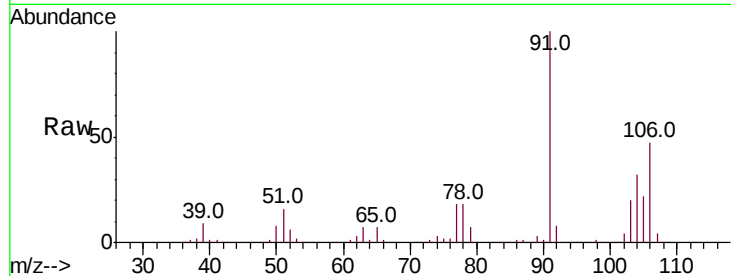
#69
o-Xylene
Concen: 48.870 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 286322
Ion Ratio Lower Upper
106 100
91 211.2 104.7 314.1

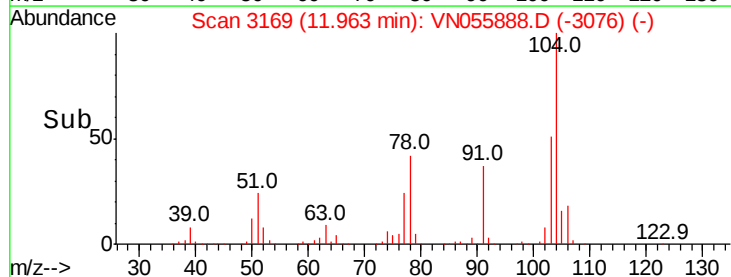
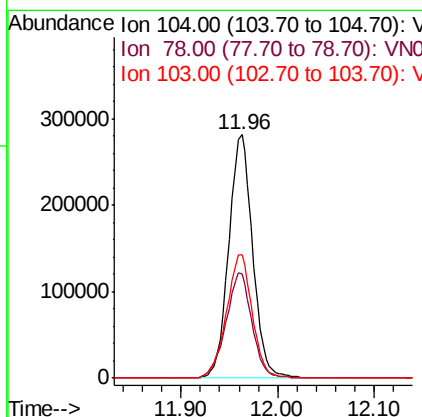
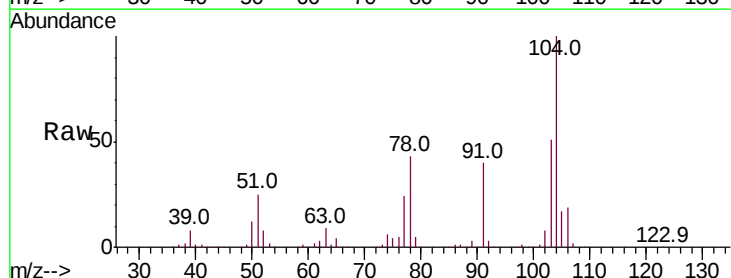
Manual Integrations
APPROVED

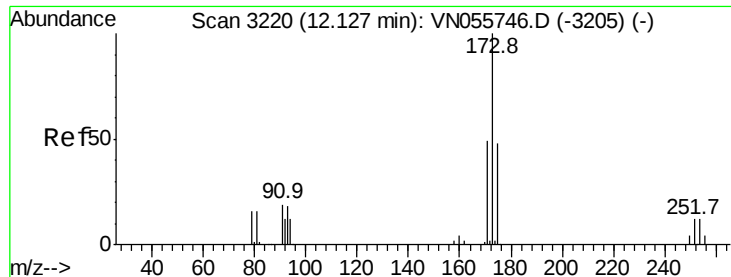
MMDadoda
5/31/2019 9:38:09 AM



#70
Styrene
Concen: 50.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:104 Resp: 482902
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 54.7 44.2 66.2





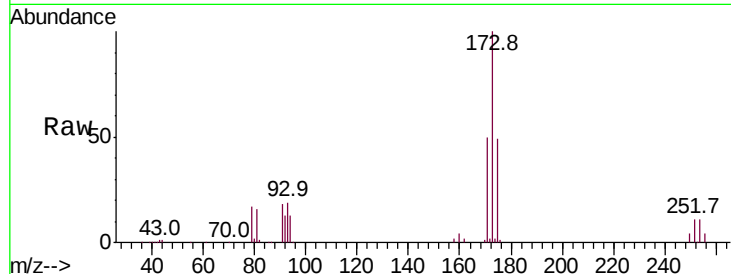
#71
Bromoform
Concen: 43.051 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

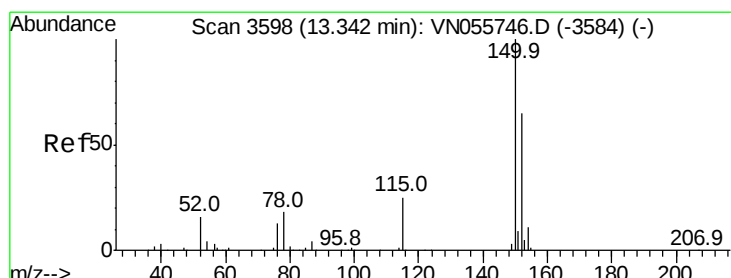
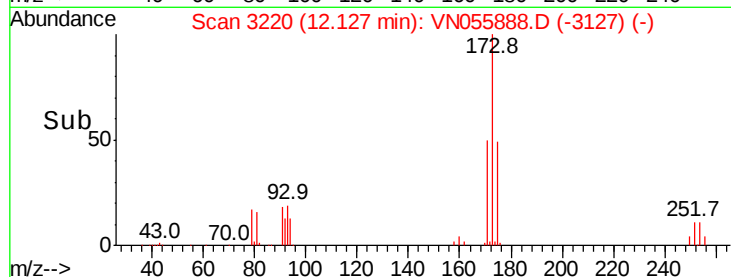
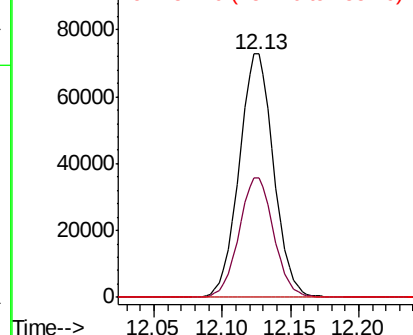
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM

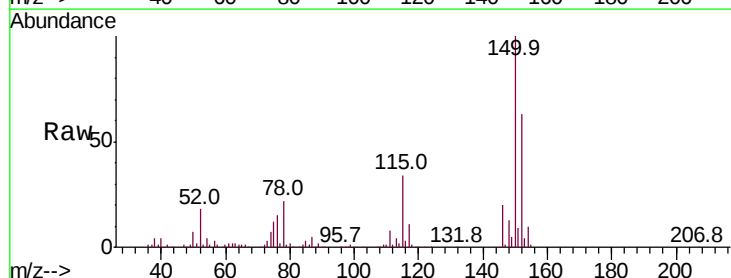


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

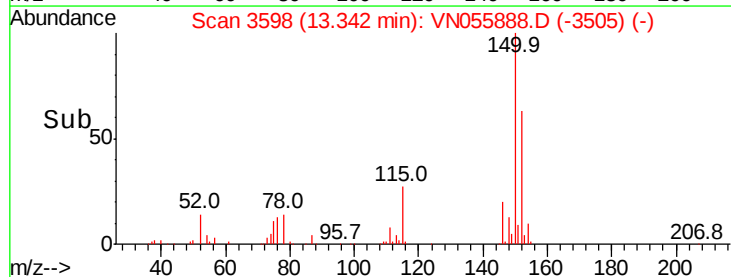
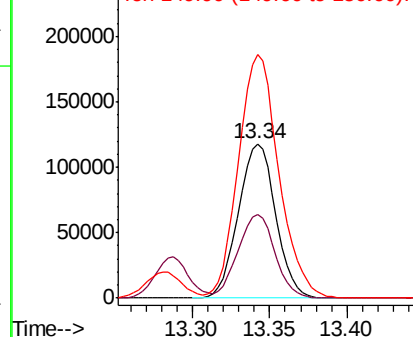


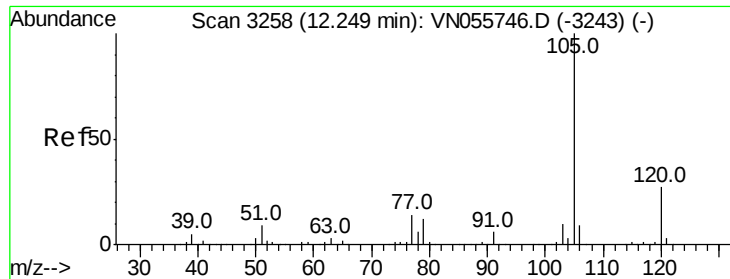
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.0	81.0
150	171.7	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





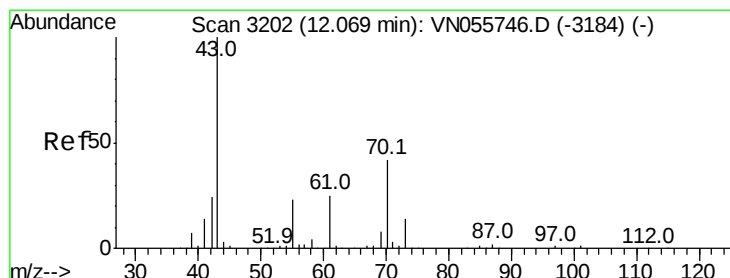
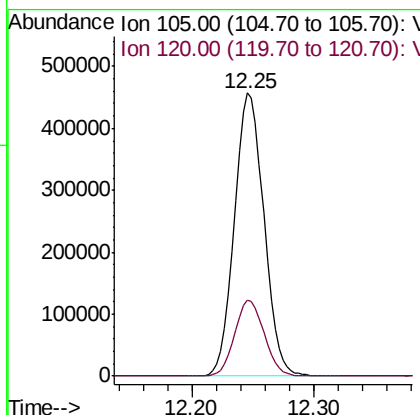
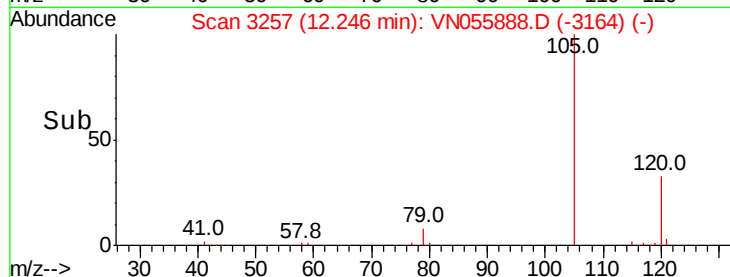
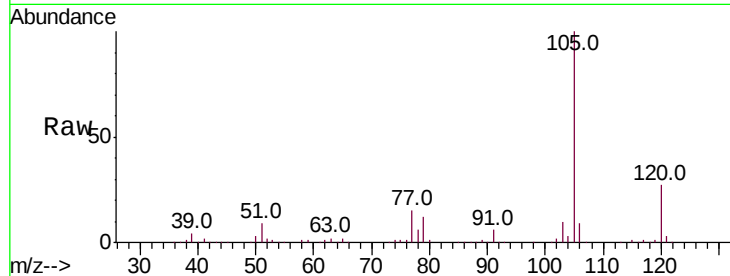
#73
Isopropylbenzene
Concen: 54.956 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:105 Resp: 765912
Ion Ratio Lower Upper
105 100
120 26.8 13.6 40.7

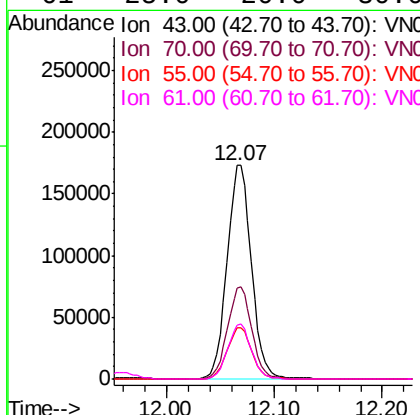
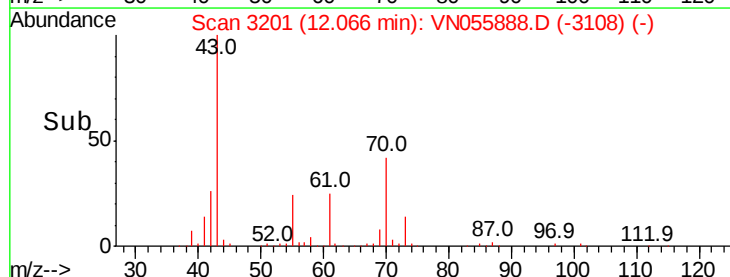
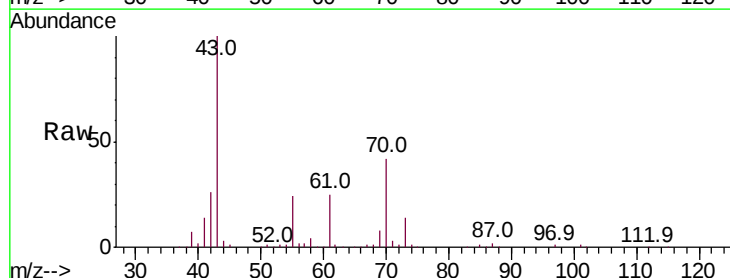
Manual Integrations
APPROVED

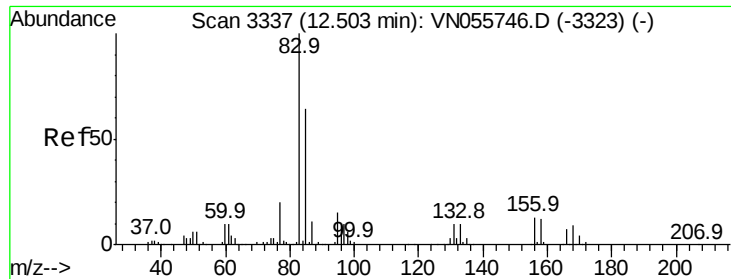
MMDadoda
5/31/2019 9:38:09 AM



#74
N-ethyl acetate
Concen: 51.258 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 43 Resp: 272957
Ion Ratio Lower Upper
43 100
70 43.0 34.0 51.0
55 24.3 18.6 28.0
61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.128 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

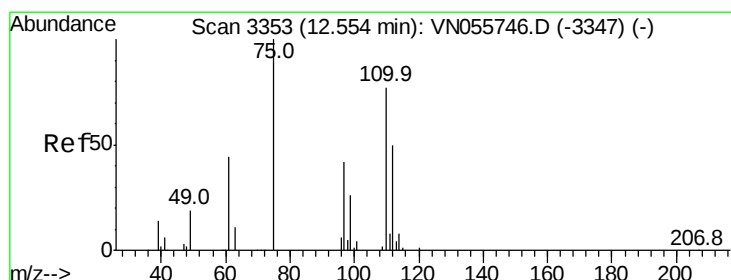
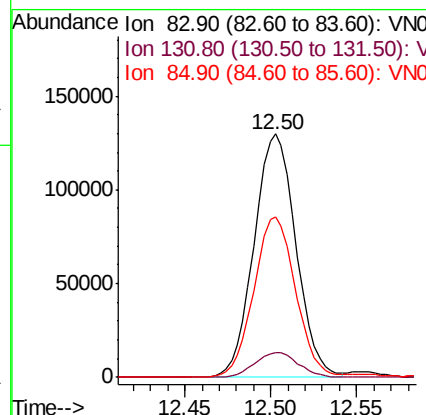
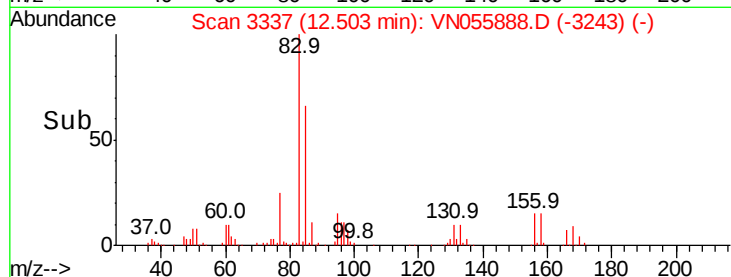
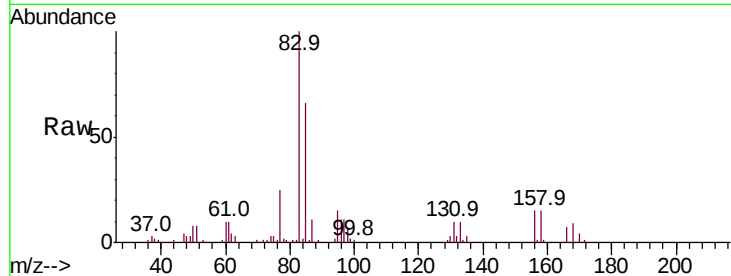
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219497
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#76

1,2,3-Trichloropropane

Concen: 51.656 ug/l m

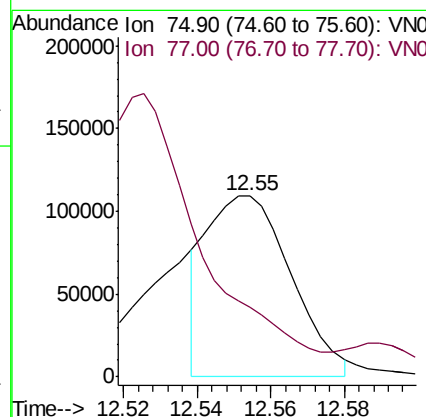
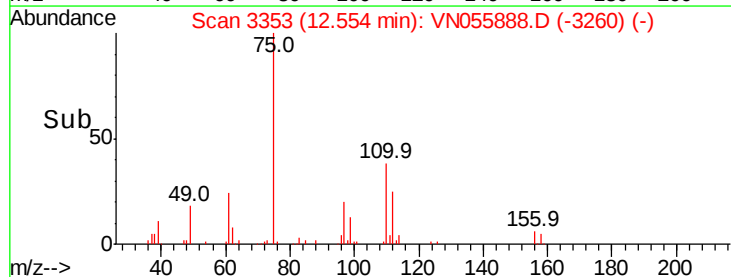
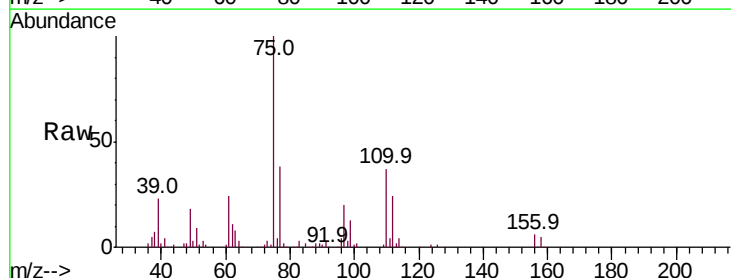
RT: 12.55 min Scan# 3353

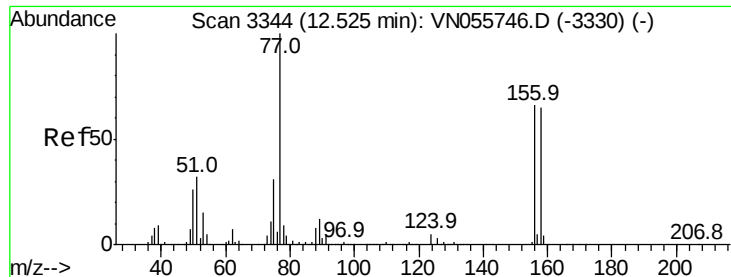
Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	75	Resp:	174758
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.922 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

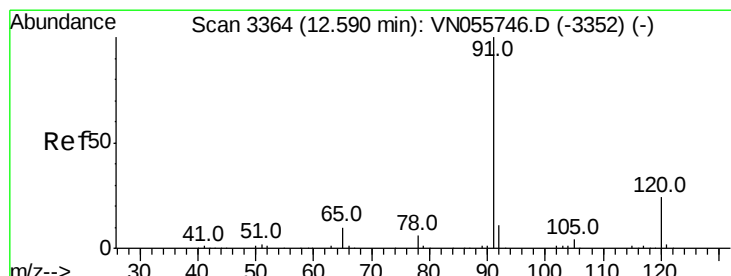
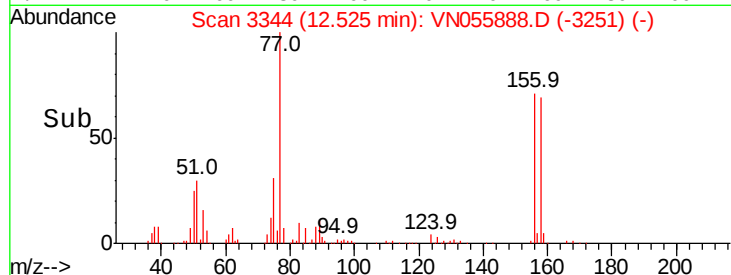
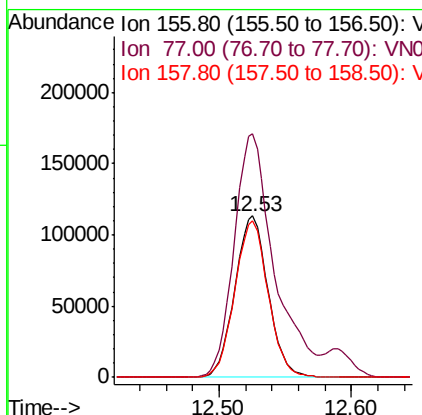
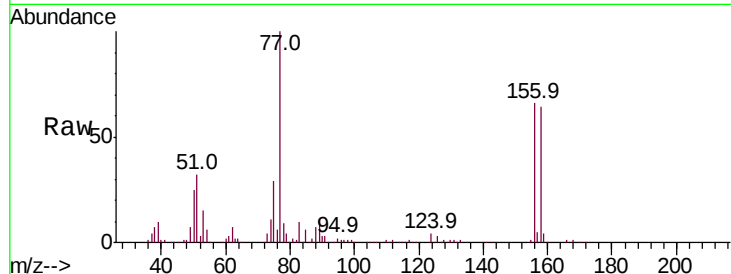
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	197122
Ion Ratio	Lower	Upper	
156	100		
77	183.6	90.8	272.5
158	97.6	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#78

n-propylbenzene

Concen: 48.808 ug/l

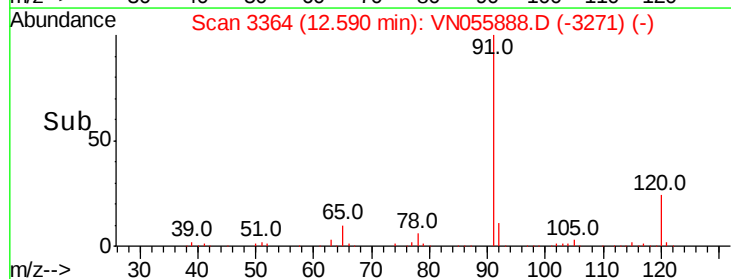
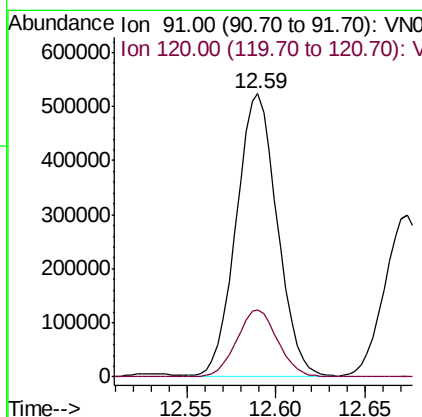
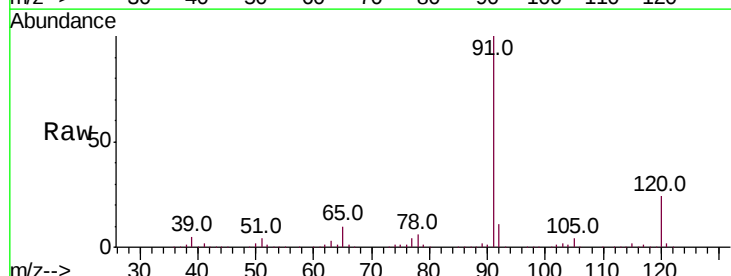
RT: 12.59 min Scan# 3364

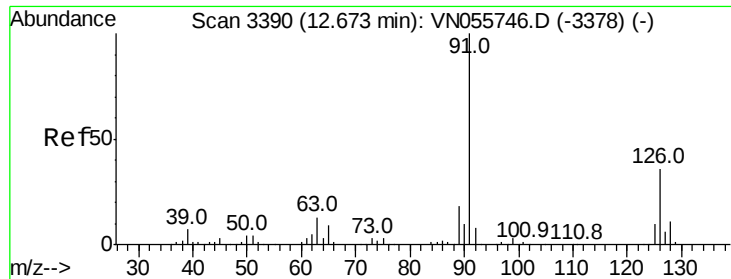
Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	91	Resp:	835142
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





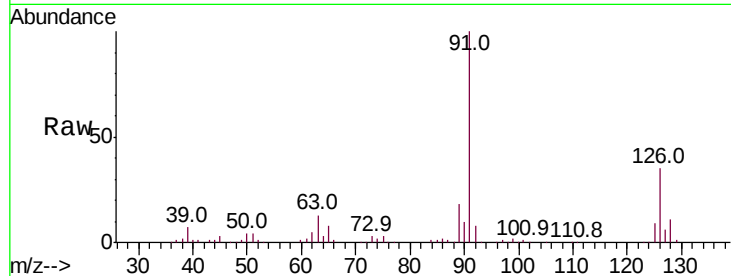
#79
 2-Chlorotoluene
 Concen: 54.671 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

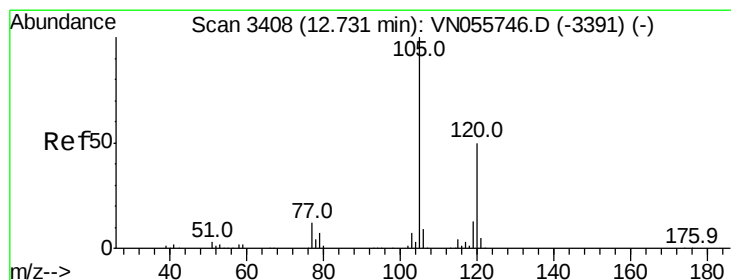
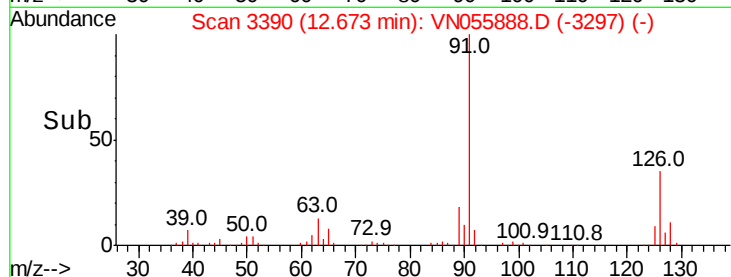
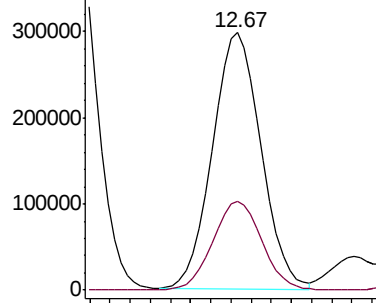
Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	18.1	54.4

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM

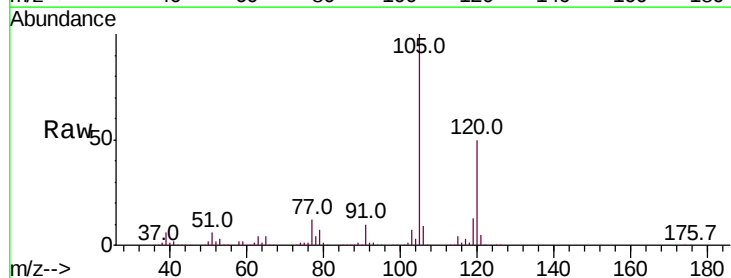


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

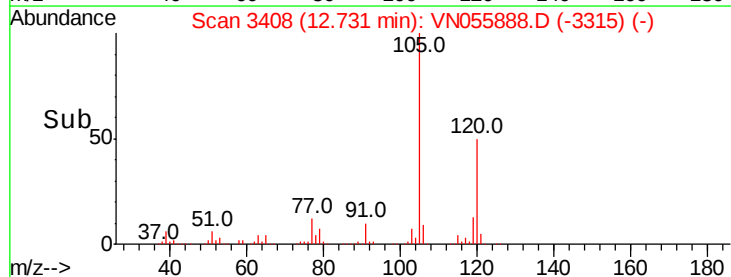
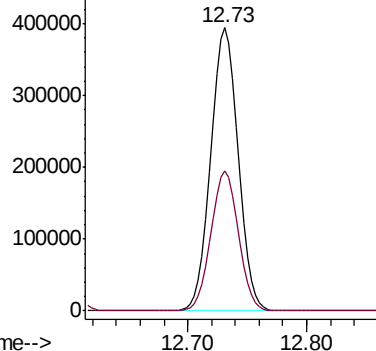


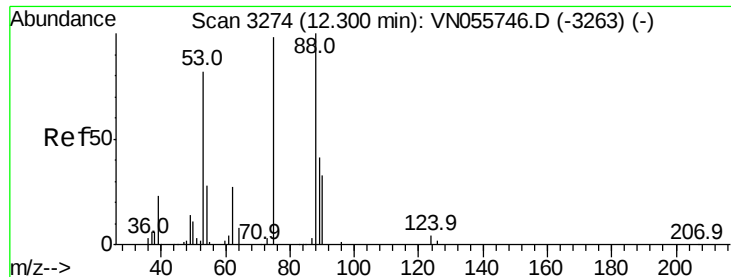
#80
 1,3,5-Trimethylbenzene
 Concen: 53.665 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.7	74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.599 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

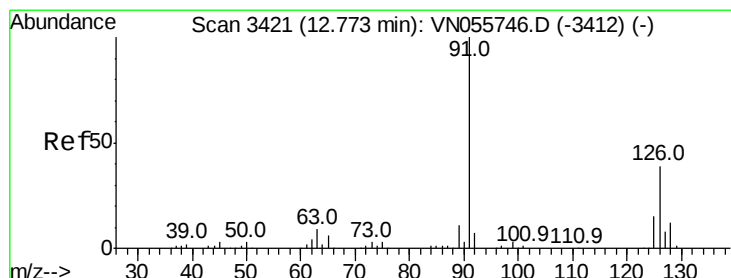
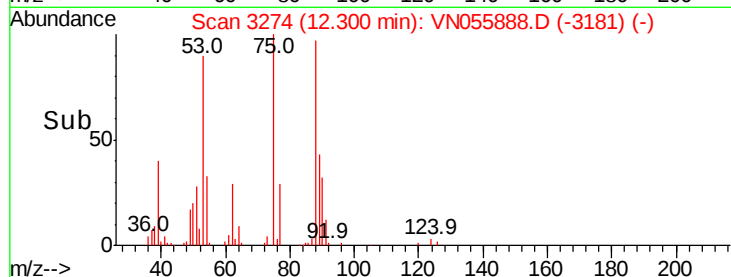
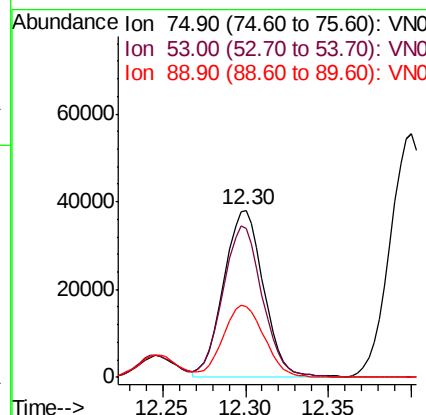
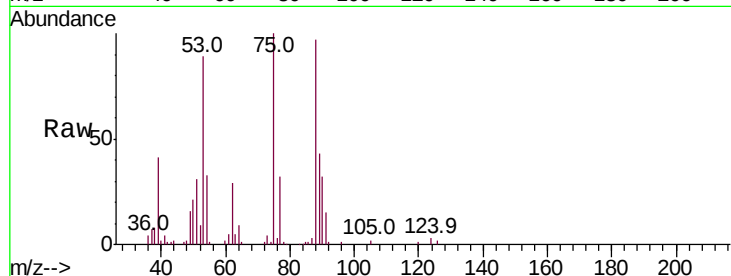
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	63794
Ion	Ratio	Lower	Upper
75	100		
53	90.4	68.1	102.1
89	44.7	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#82

4-Chlorotoluene

Concen: 48.904 ug/l

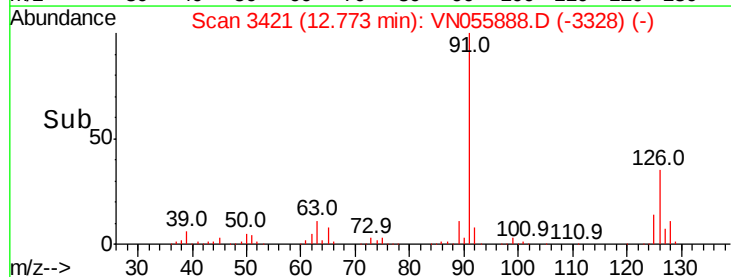
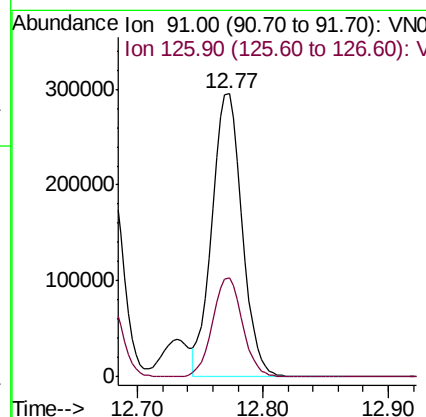
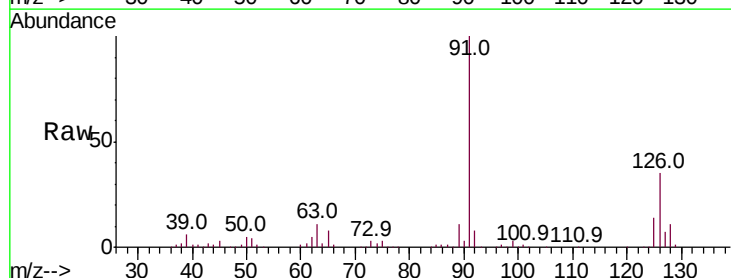
RT: 12.77 min Scan# 3421

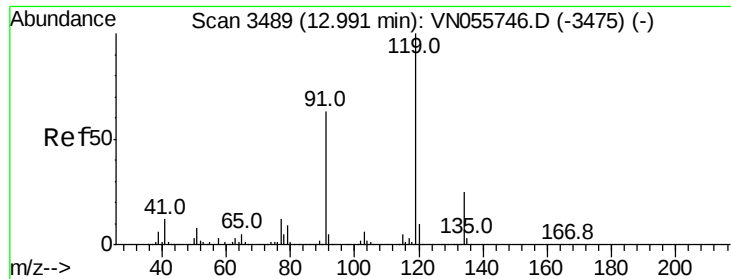
Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion:	91	Resp:	491884
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.3





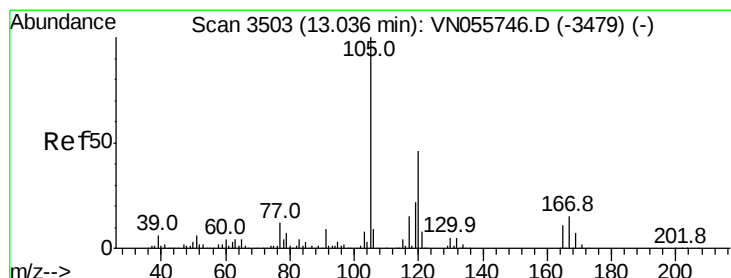
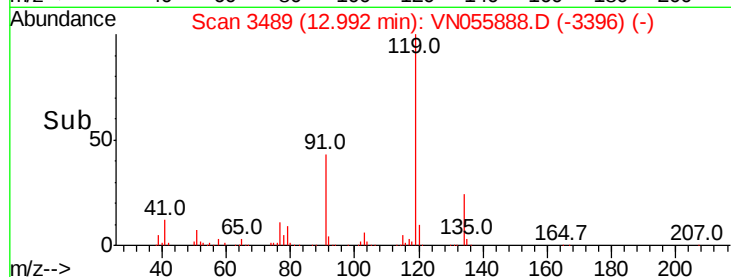
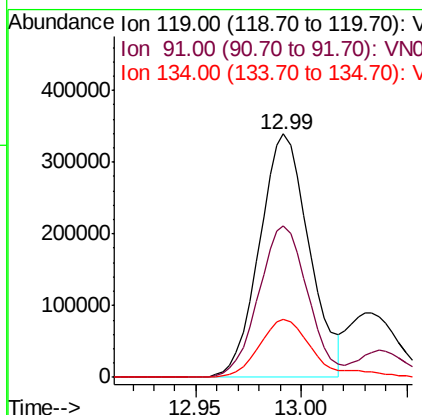
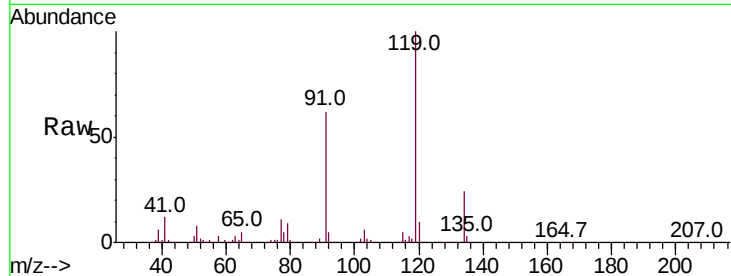
#83
 tert-Butylbenzene
 Concen: 54.956 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	556905		
91	61.7	30.9	92.8	
134	26.0	13.3	39.8	

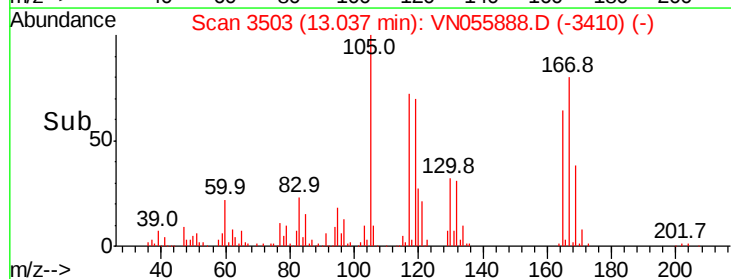
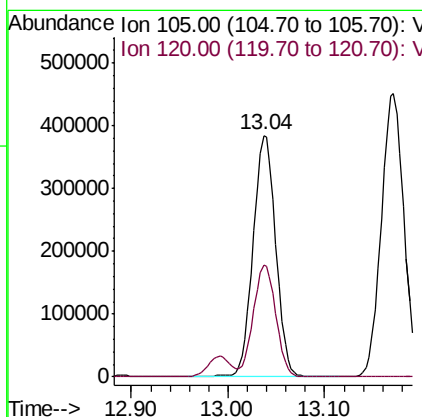
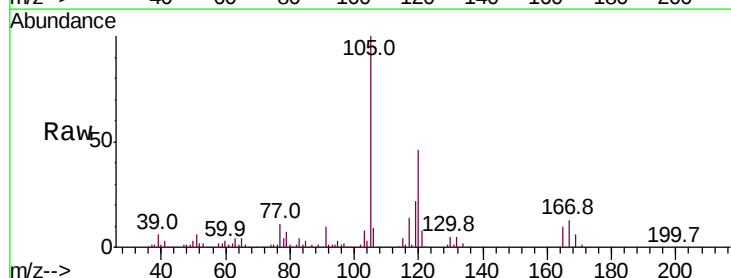
Manual Integrations
 APPROVED

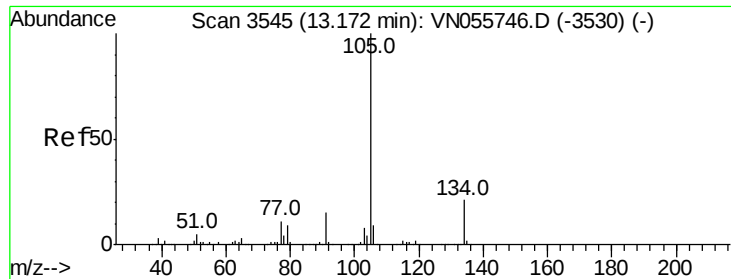
MMDadoda
 5/31/2019 9:38:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.326 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	625730		
120	46.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 55.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 730723

Ion Ratio Lower Upper

105 100

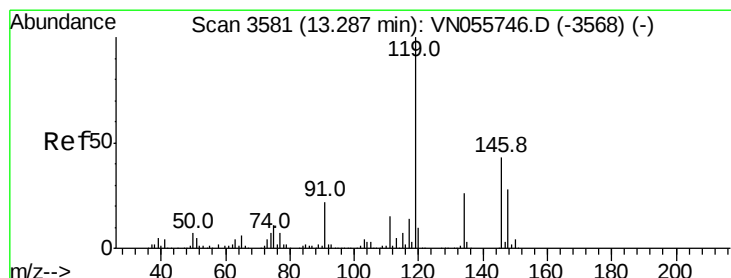
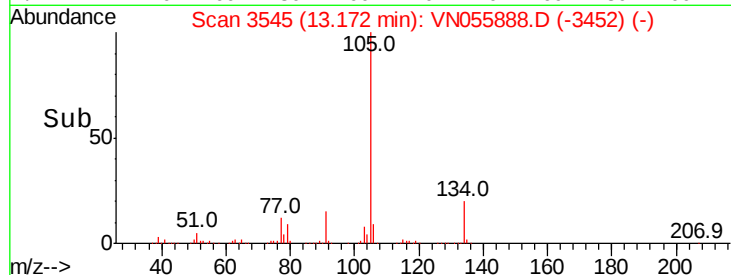
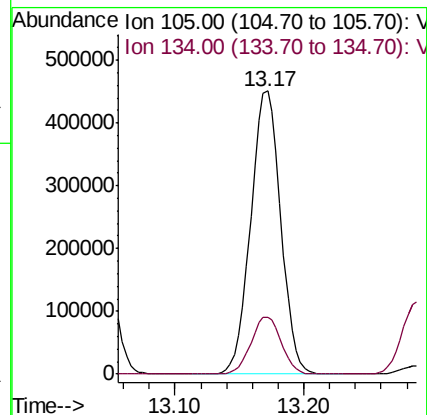
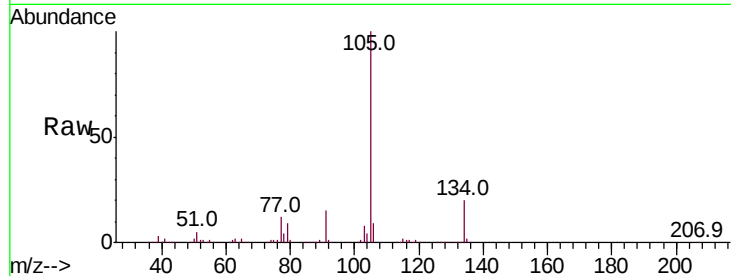
134 20.3 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:38:09 AM



#86

p-Isopropyltoluene

Concen: 48.682 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

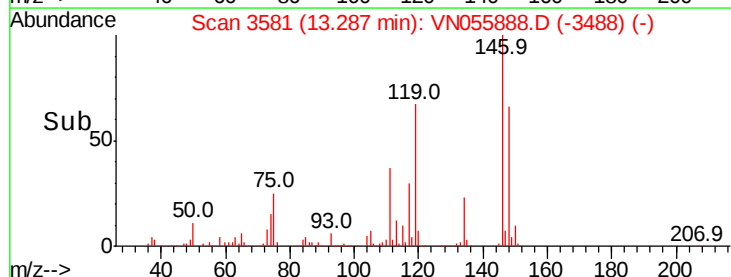
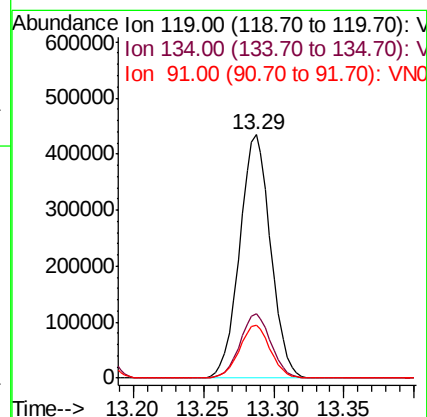
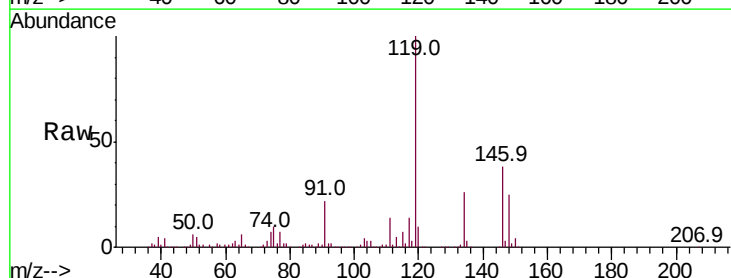
Tgt Ion:119 Resp: 665575

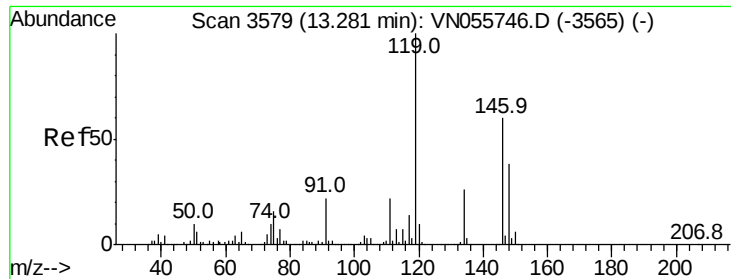
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.8 10.9 32.9





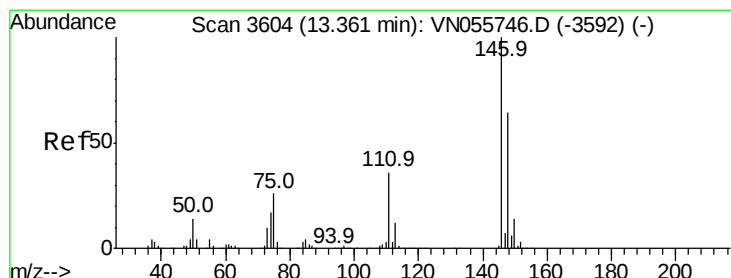
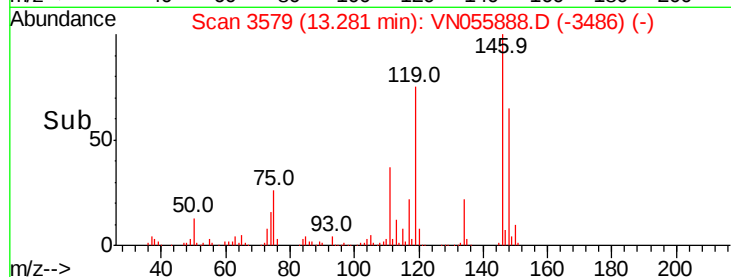
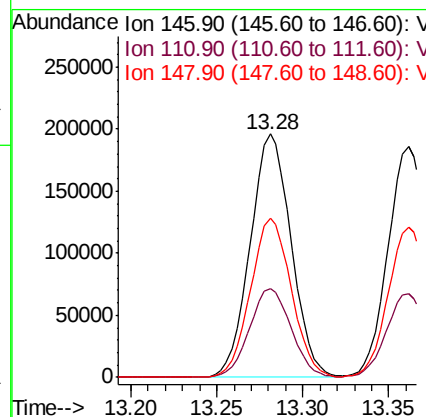
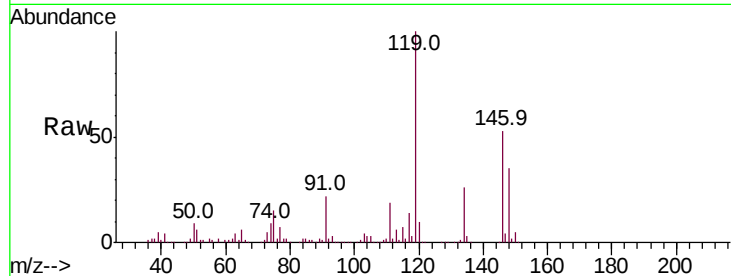
#87
 1,3-Dichlorobenzene
 Concen: 48.639 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	65.3	32.0	96.2

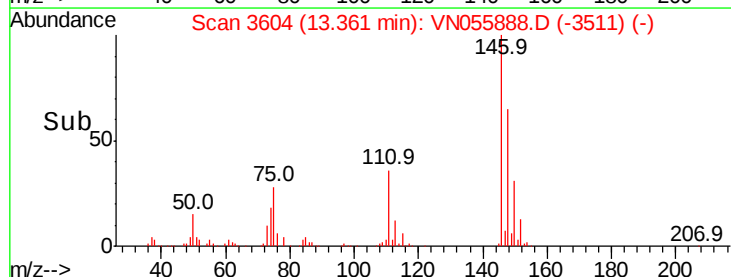
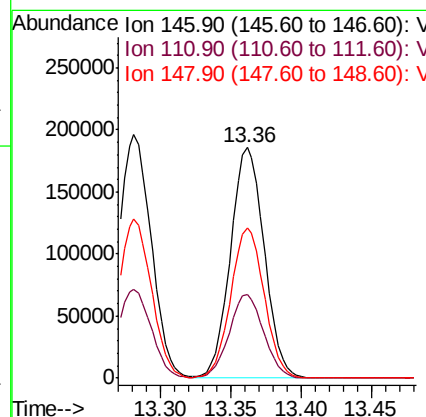
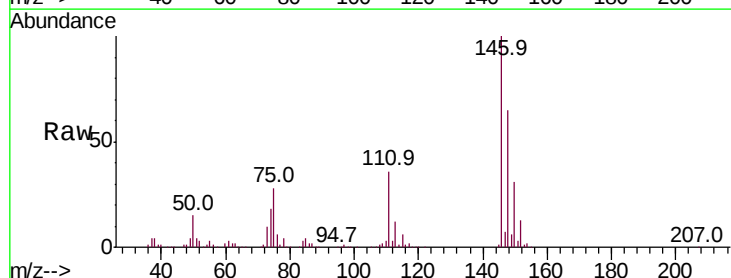
Manual Integrations
 APPROVED

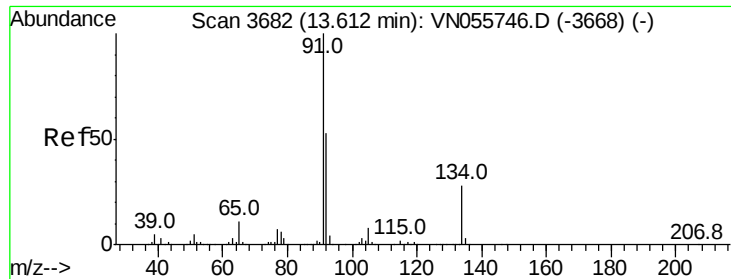
MMDadoda
 5/31/2019 9:38:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.274 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	64.7	32.1	96.5





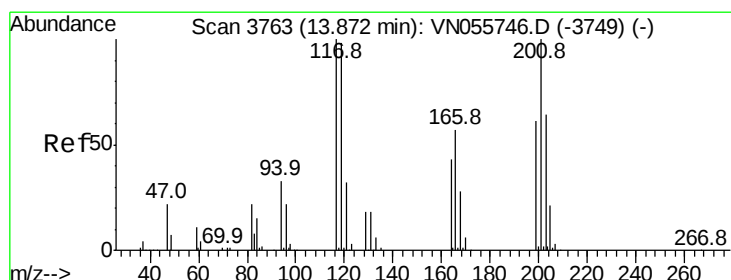
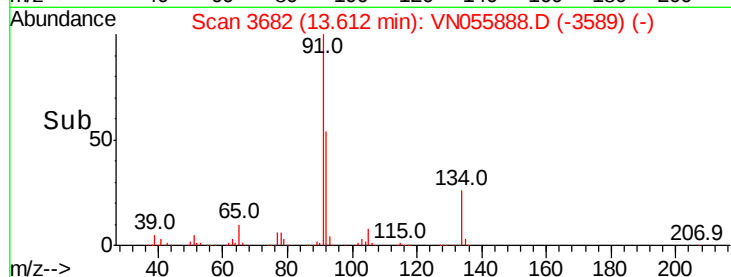
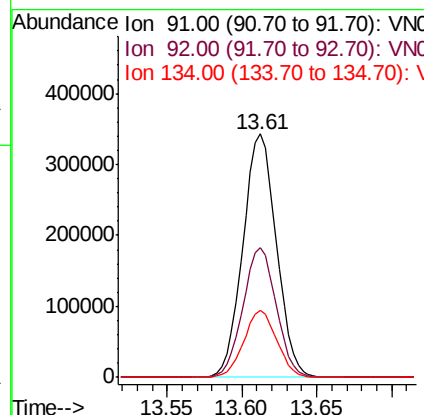
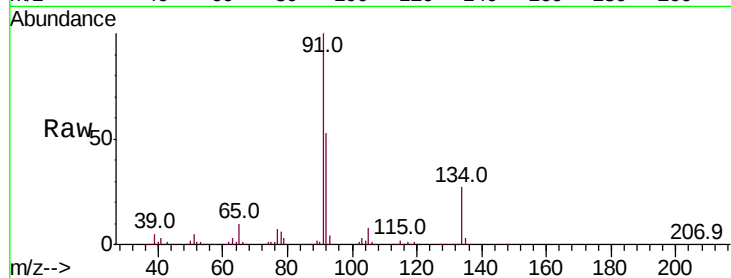
#89
n-Butylbenzene
Concen: 51.015 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	27.1	13.9	41.7

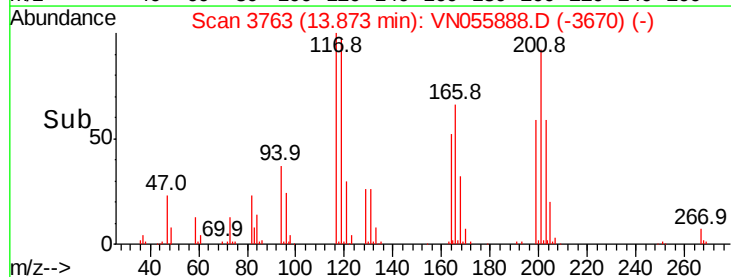
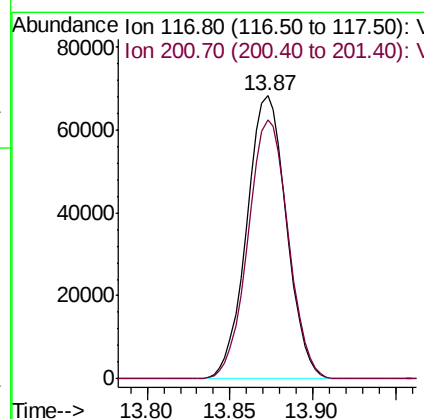
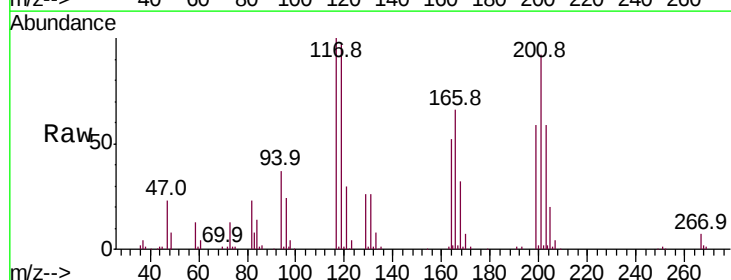
Manual Integrations
APPROVED

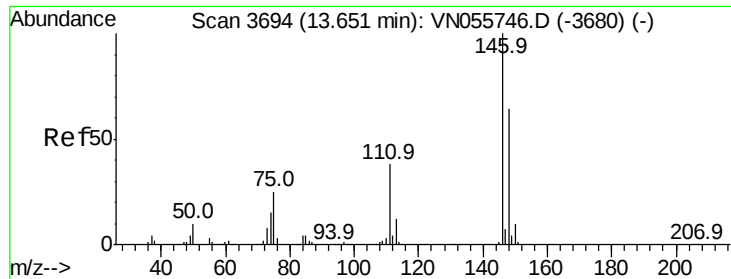
MMDadoda
5/31/2019 9:38:09 AM



#90
Hexachloroethane
Concen: 43.746 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	50.0	150.0





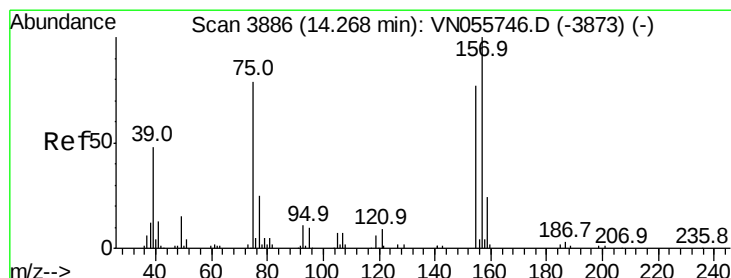
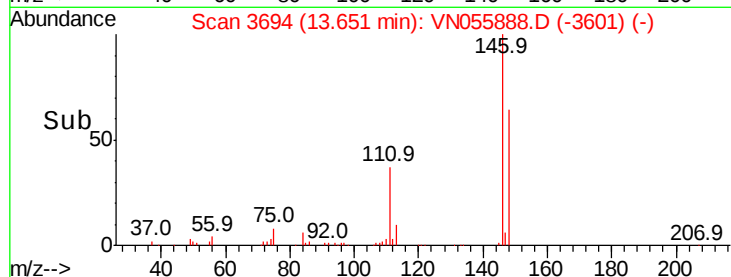
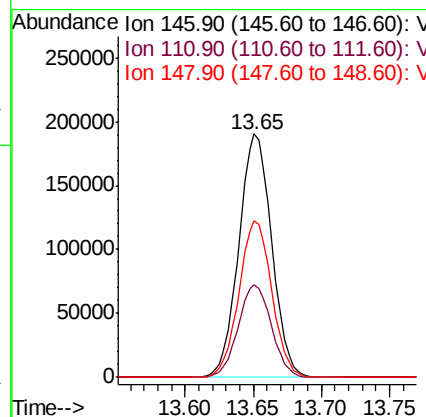
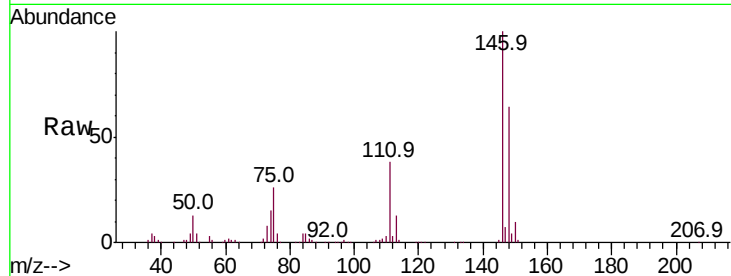
#91
 1,2-Dichlorobenzene
 Concen: 47.980 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.2	31.9	95.9

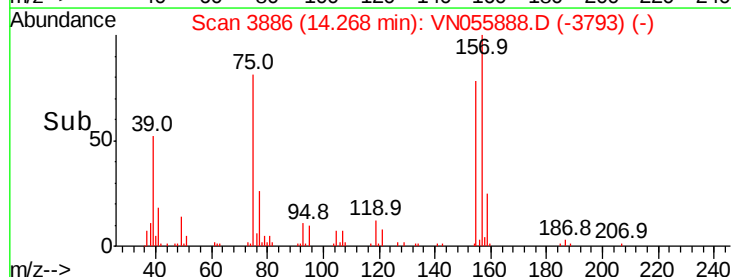
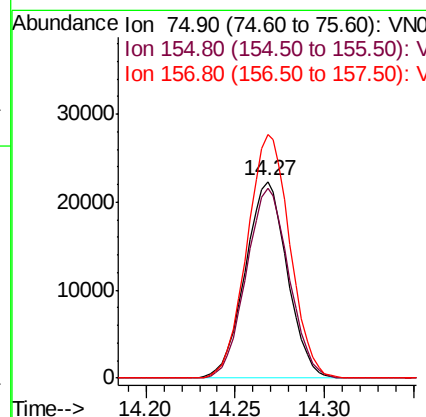
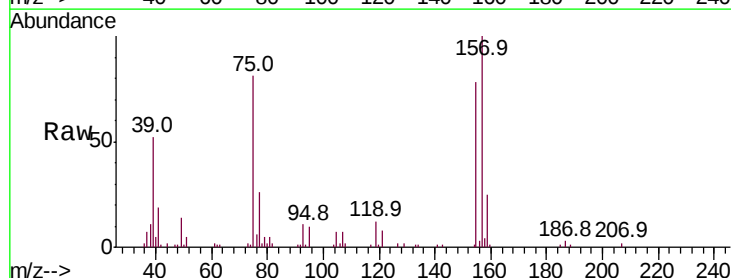
Manual Integrations
 APPROVED

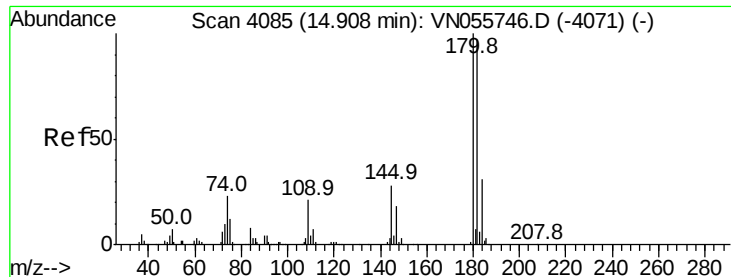
MMDadoda
 5/31/2019 9:38:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.153 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	50.0	150.1
157	126.3	64.8	194.3





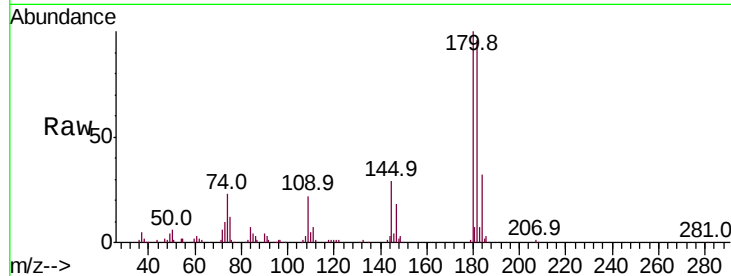
#93
 1,2,4-Trichlorobenzene
 Concen: 44.149 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

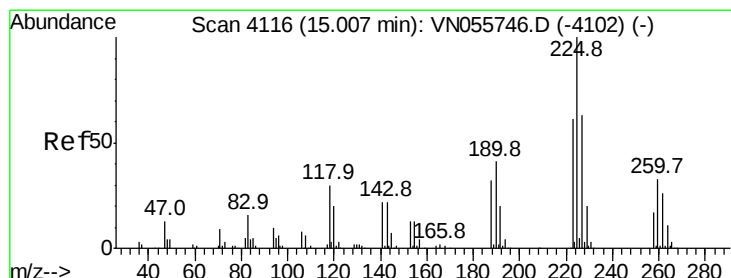
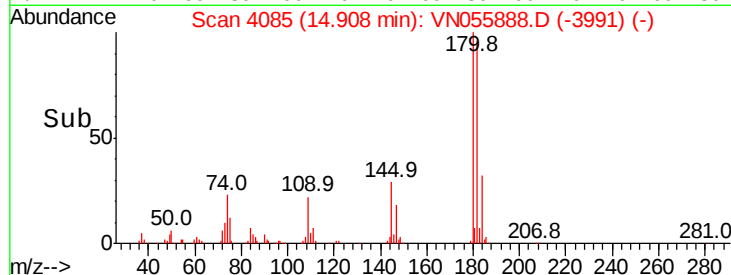
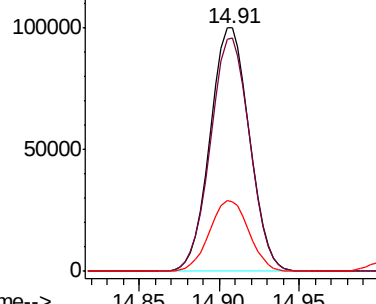
Tot Ion:	180	Resp:	166826
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.3	144.9
145	29.4	14.0	41.9

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:09 AM

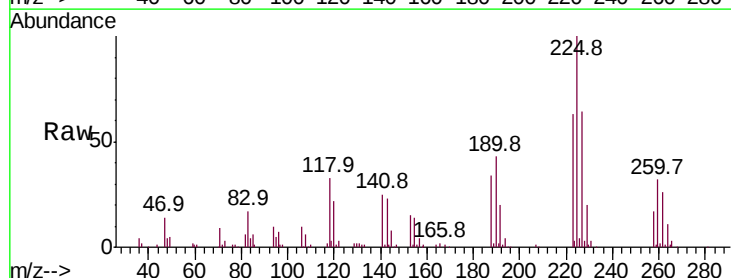


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

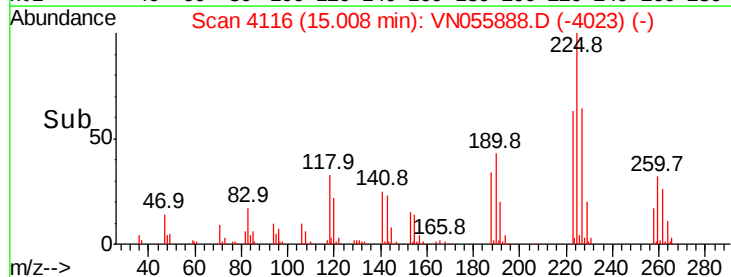
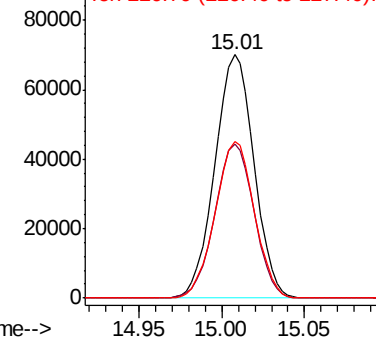


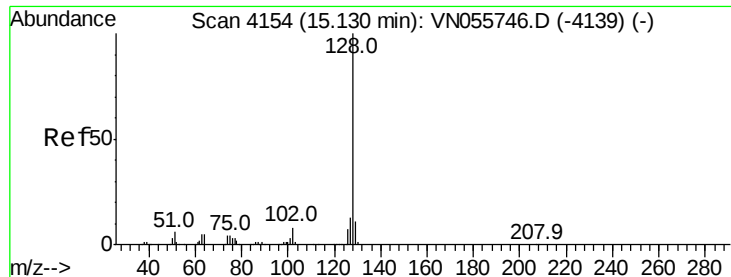
#94
 Hexachlorobutadiene
 Concen: 49.147 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion:	225	Resp:	114864
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.9	92.7
227	64.5	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





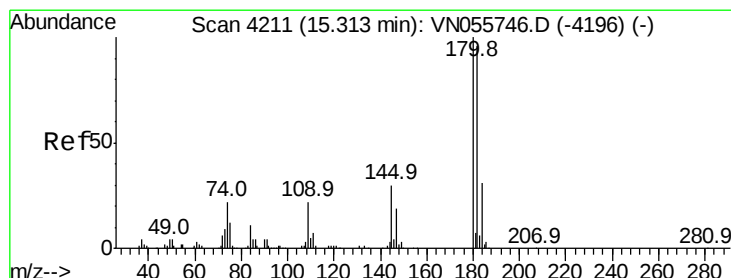
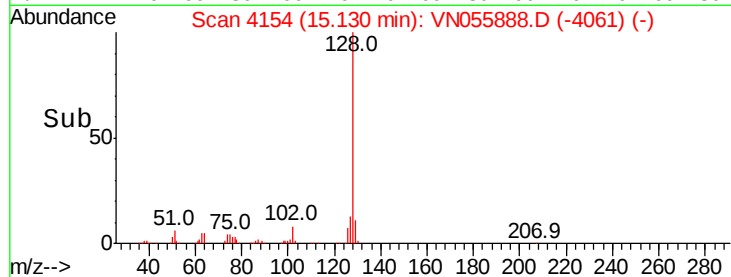
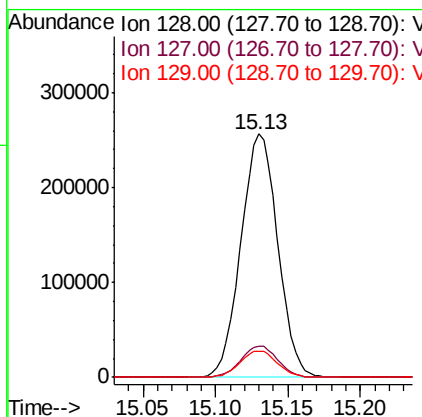
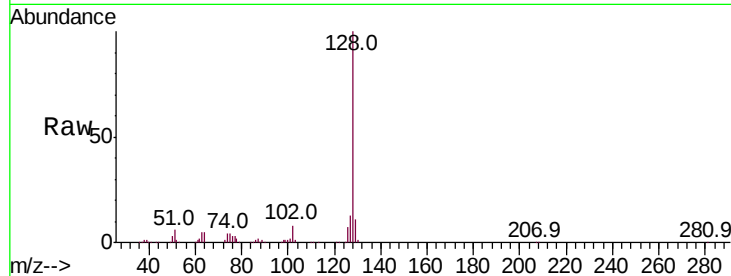
#95
Naphthalene
Concen: 49.857 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	454051
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.102 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:	180	Resp:	175772
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.7
145	30.6	14.9	44.7

